

PONY

Maths

BOOK 3

Part 1



This book belongs to

.....

.....

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Introduction

In this book:

We will combine the explanation of some lessons and rearrange them according to the unity of the topic to make it easier for the child to understand them in a better way. And link between the ideas presented in these lessons and facilitate the acquisition of skills.

Therefore, the lessons were combined and divided into 4 chapters:

The first chapter: includes methods for collecting and classifying data.

The second chapter: includes numbers and operations on them.

The third chapter: includes multiplication and its properties.

The forth chapter: includes engineering and measurement

في هذا الكتاب:

سنجمع بين شرح بعض الدروس ونعيد ترتيبها حسب وحدة الموضوع ليسهل على الطفل فهمها بشكل افضل. و ربط الافكار المعروضة في هذه الدروس وتسهيل اكتساب المهارات.

لذلك جمعت الدروس وقسمت إلى 4 فصول:

الفصل الاول: ويتضمن طرق جمع البيانات وتحليلها.

الفصل الثاني: يتضمن الاعداد والعمليات عليها.

الفصل الثالث: يتضمن الضرب وخصائصه.

الفصل الرابع: يتضمن الهندسة والقياس



Chapter 1

STATISTICS

Lesson 1 : The visual pattern.....	5
Lesson 2 : The bar graph & the pictogram.....	8
Lesson 3 : The line plot graph	18



Chapter 2

Numbers up to 999 999

Lesson 1 : 4 - digit numbers (Thousands)	30
Lesson 2 : 5 - digit numbers (Ten-thousands)	41
Lesson 3 : 6 - digit numbers (Hundred-housands) ...	53
Lesson 4 : The place-value	65
Lesson 5 : Before and after	71
Lesson 6 : Comparing two numbers	78
Lesson 7 : Arranging the numbers	84
Lesson 8 : Addition	97
Lesson 9 : Word problems on addition and subtraction	105



Chapter 3

MULTIPLICATION

Lesson 1 : The arrays	116
Lesson 2 : The Multiplication table (2 & 3)	122

Lesson 3 : The Multiplication table (4 & 5)	128
Lesson 4 : The Multiplication table (6 & 7)	135
Lesson 5 : The Multiplication table (8 & 8)	144
Lesson 6 : Multiplication strategy (table 9)	153
Lesson 7 : Multiplication prperties	162
Lesson 8 : Multiplication by the multiples of 10	168
Lesson 9 : Division	174



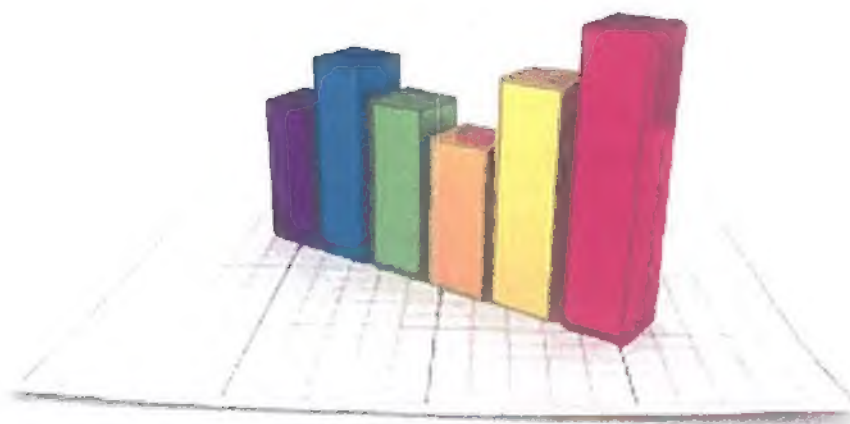
Chapter 4

Geometry and measurement

Lesson 1 : Time	185
Lesson 2 : Telling the time	193
Lesson 3 : The length	203
Lesson 4 : Two-dimensions sahps (2D shaps)	210
Lesson 5 : Quadrilaterals	216
Lesson 6 : The area	224
Lesson 7 : The perimeter	235
Lesson 8 : The capacity	245
General exercises and Models	250
Guide answers	280

CHAPTER

ONE



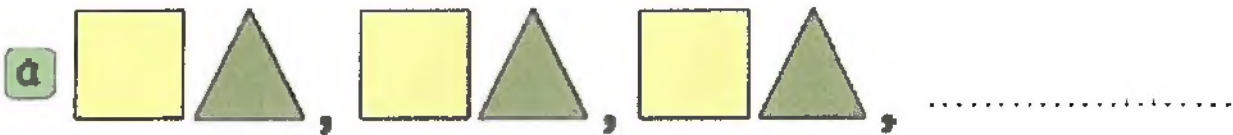
STATISTICS

LESSON

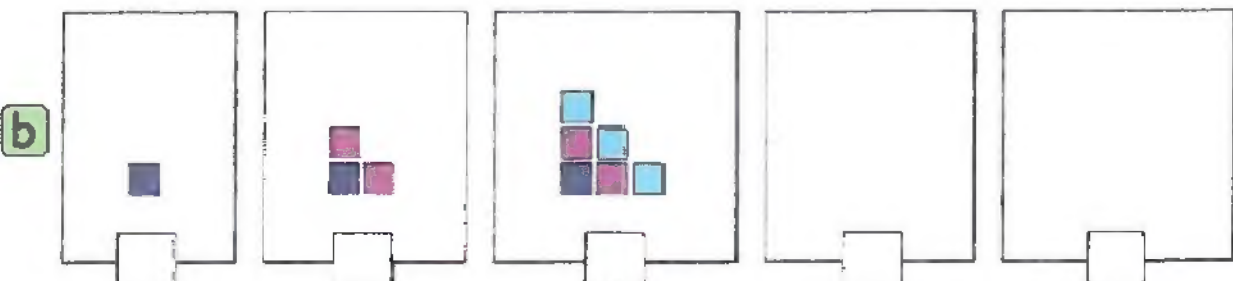
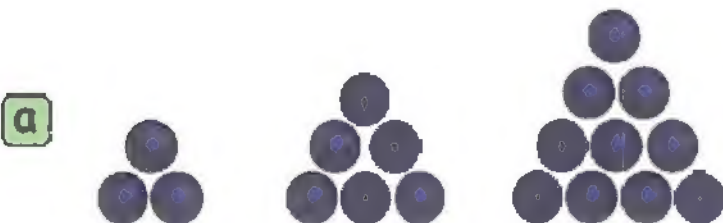
1

The Visual Patterns

1 Complete the pattern :





2 Look at the image , then figure out the next two images in the pattern :





1 Complete the pattern :

a   ,   ,   ,

b   ,   ,   ,

c    ,    ,

d   ,   ,   ,

e   ,   ,   ,

f AB , AABBB , AAABBBB ,

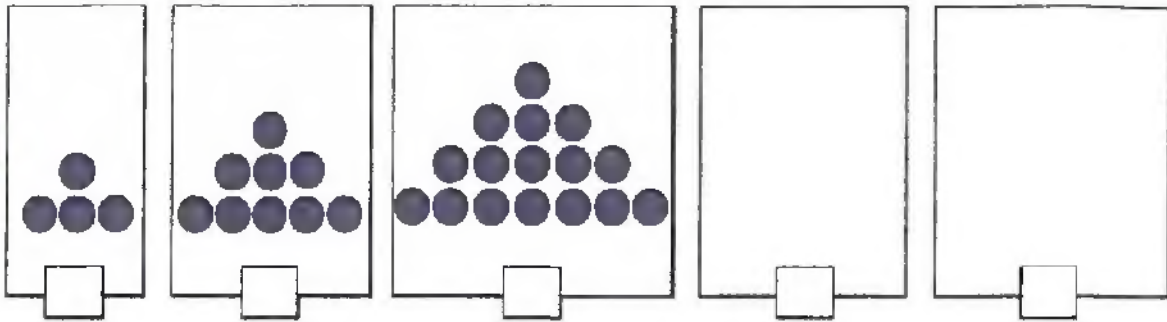
g UUUUU , UUUUU , UUUUU ,

h 50 , 60 , 70 , 80 , ,

i 60 , 50 , 40 , 30 , ,

2 Look at the image , then figure out the next two images in the pattern :

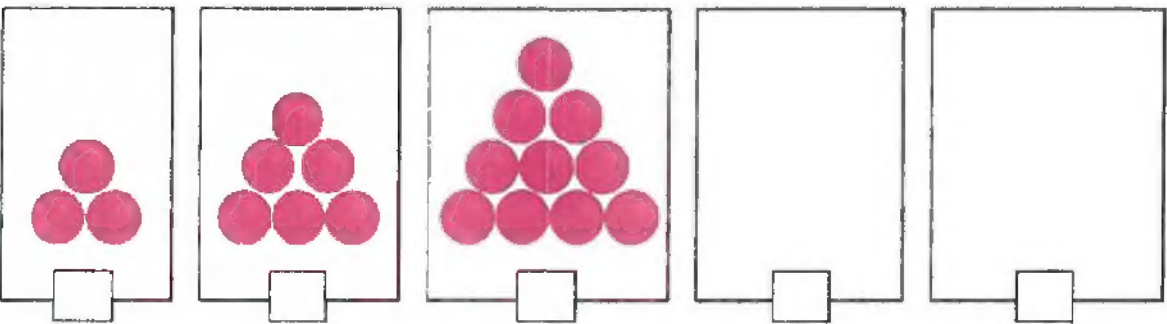
a



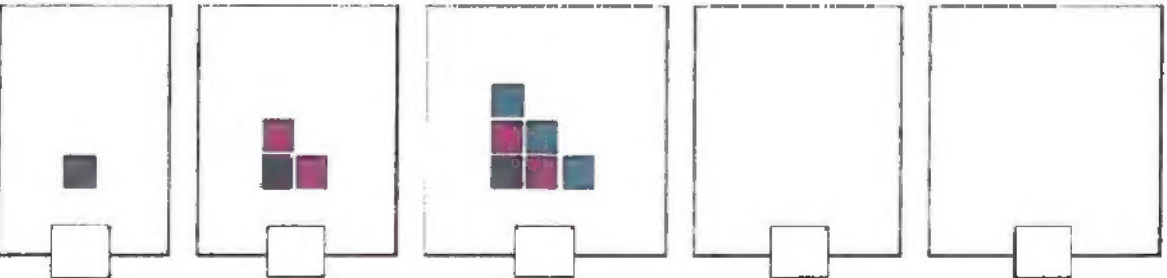
b



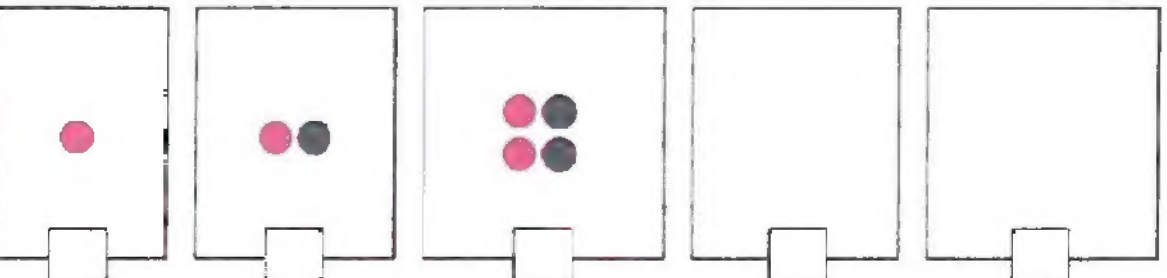
c



d

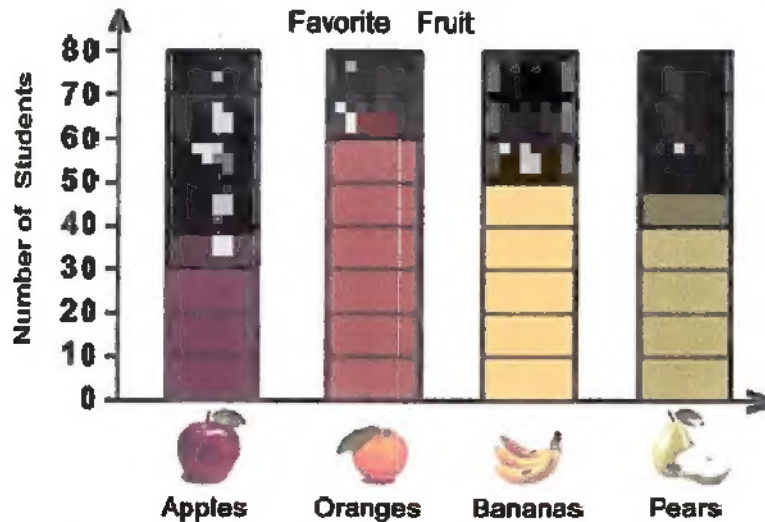


e







The bar graph & The pictograph

1 Look at the favorite fruit graph and then answer :

































a Complete the following table :

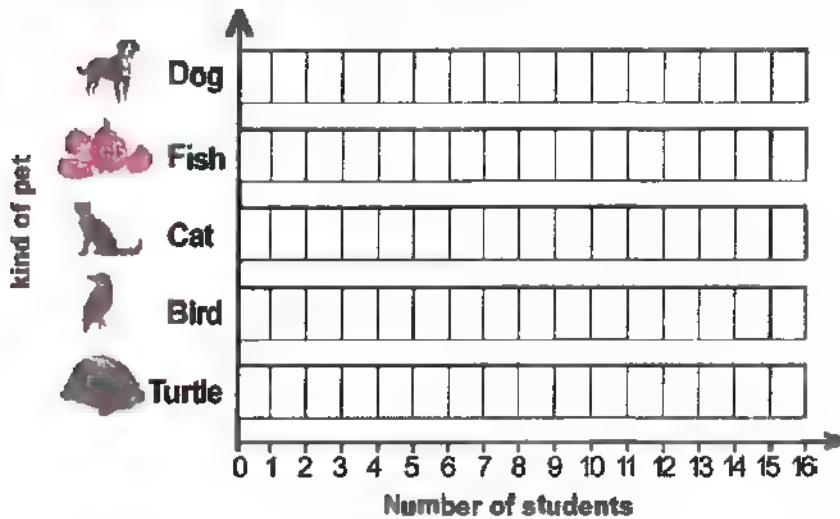
Favorite Fruit	Number of Students
Apples 	
Oranges 	
Bananas 	
Pears 	

- b** How many people like oranges ?
- c** How many people like apples and bananas ?
- d** How many people were asked about their favorite fruit ?
- e** What is the least popular fruit on this graph ?

2 Convert the same data from pictograph into a bar graph then complet the table

Dog		    
Fish		   
Cat		       
Bird		    
Turtle		  

key	
	2 students
	1 student








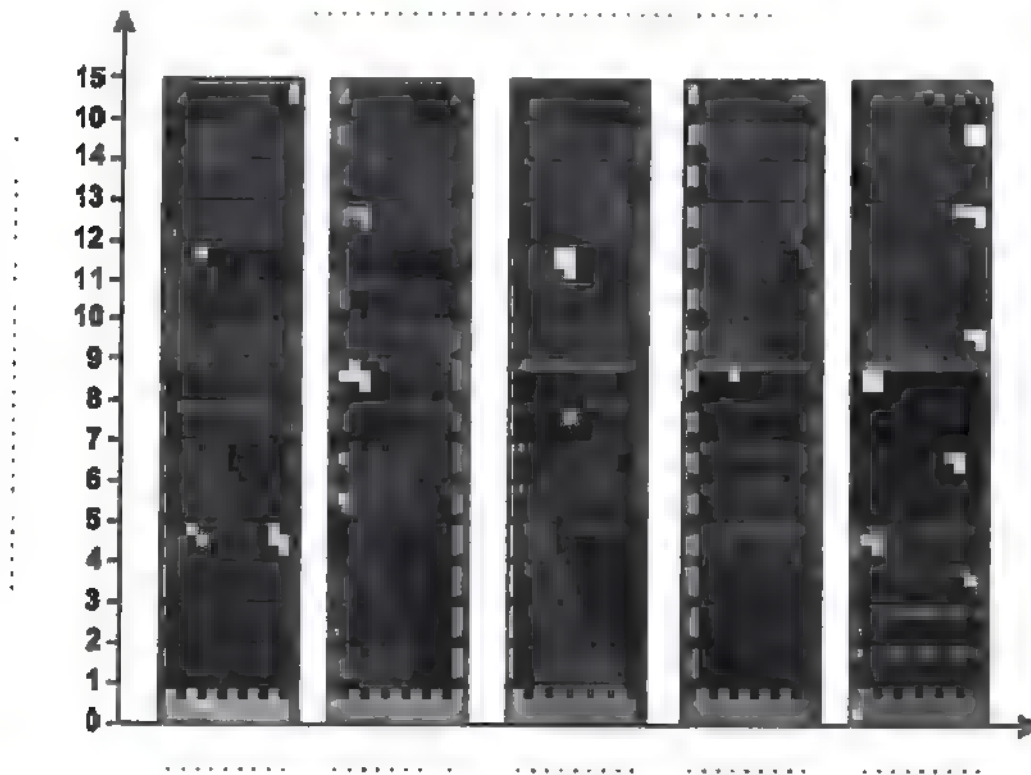
kind of pet	Number of students
Dog	
Fish	
Cat	
Bird	
Turtle	

Answer the questions:

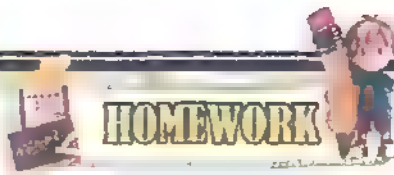
- How many students liked Fish ?
- How many students liked Bird ?
- How many more students liked Cat than Bird ?
- How many more students liked Bird than Turtle ?
- How many students all togethr liked Dog , Fish and Cat ?
.....
- How many students all togethr liked Cat , Bird and Turtle ?
.....
- Which pets is liked the most ?
- Which pets is liked the least ?

3 Use the following table to complete the bar graph

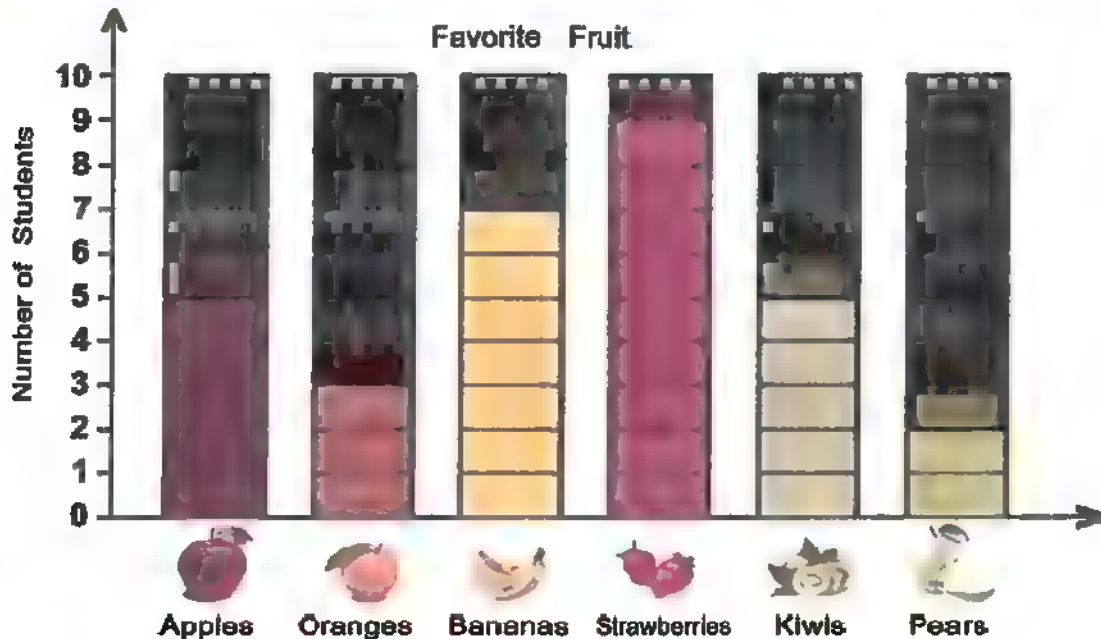
Favorite Desserts	Tallies	Number of Children
Basbousa	||||	
Kunafa	|||| ||||	
Sweet Potatoes	||||	
Sweet Feteer	|||| |||| ||	
Om Ali	|||| ||||	



- How many children like Kunafa ?
- How many children like Om Ali and Basbousa ?
.....
- Which dessert is liked most ?
- Which dessert is liked least ?



1 Look at the favorite fruit graph and then answer :



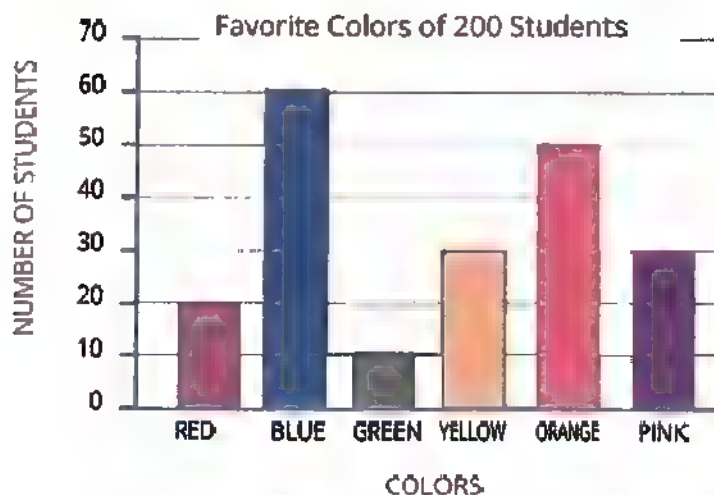
a Complete the following table :

Favorite Fruit						
	Apples	Oranges	Bananas	Strawberries	Kiwis	Pears
Number of Students						

b Answer the questions:

- How many students liked oranges ?
- How many more students liked strawberries than pears ?
- How many students all together liked kiwis , apples and oranges ?
.....
- Which fruit is liked the most ?
- Which fruit is liked the least ?

- 2** Look at the Favorite Colors graph and then answer questions about the data.



Colors	Number of students
RED	
BLUE	
GREEN	
YELLOW	
ORANGE	
PINK	

Answer the questions:

- How many people liked red best?
- How many people liked blue best?
- How many people liked green best?
- How many people liked yellow best?
- How many people liked orange best?
- How many people liked pink best?
- How many people liked pink and blue (pink + blue)?
.....
- How many more people liked yellow than green (yellow - green)?
.....
- How many people liked red and blue (red + blue)?
.....
- How many more people liked blue than orange (blue - orange)?
.....

3 Look at the Pick a Flower pictograph and then answer :








Complete the following table :

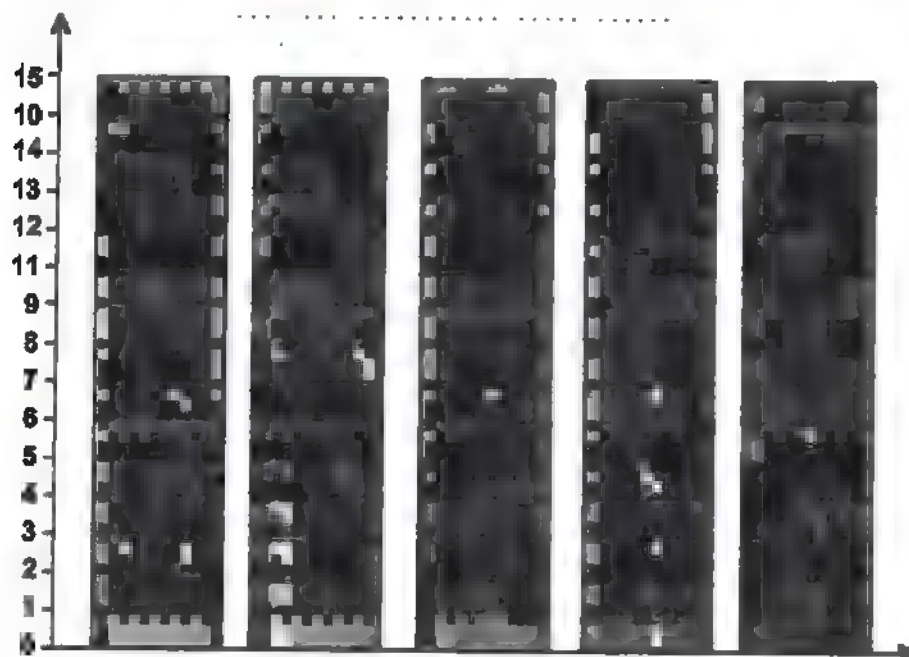
The day	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Number of flowers						

Answer the questions:

- a** How many flowers were picked on Monday ?
- b** How many flowers were picked on Tuesday ?
- c** How many more flowers were picked on Saturday than Sunday ?
.....
- d** How many more flowers were picked on Monday than Tuesday?
.....
- e** How many flowers were picked on Wednesday and Monday ?
.....
- f** How many flowers were picked on Thursday and Sunday ?
.....
- g** Which day had the most number of flowers picked ?
- h** Which day had the least number of flowers picked ?

6 Use the following table to complete the bar graph

Favorite Desserts	Tallies	Number of Children
Basbousa	|||| |	
Kunafa	|||| ||||	
Sweet Potatoes	|||| |	
Sweet Feteer	|||| |||| ||	
Om Ali	|||| |||| ||||	



Use the bar graph : complete usin $<$, $=$ or $>$:

- a** Number of children that like Basbousa Number of children that like Kunafa
- b** Number of children that like Potatoes Number of children that like Om Ali
- c** Number of children that like Feteer Number of children that like Basbousa



Sheet 1

First Choose the correct answer

- a The place-value of the digit 7 in the number 573 is
(ones or tens or hundreds)
- b Two hundreds and two = { 212 or 220 or 202 }
- c $5 + 0 + 7 = \dots\dots\dots$ { 507 or 57 or 12 }
- d 50 tens = hundreds { 5 or 55 or 500 }
- e $6 \text{ ones} + 7 \text{ hundreds} + 9 \text{ tens} = \dots\dots\dots$
(679 or 976 or 96)

Second Complete the following

- a $5 \text{ ones} + 7 \text{ tens} = \dots\dots\dots$
- b The smallest 2-digit - number is
- c The value of the digit 5 in the number 58 is
- d The greatest number forme from the digits 5 and 8 is
- e 20 , 25 , 30 , 35 , , ,

Third Answer the following

Find the result :

- (1) $25 + 33 = \dots\dots\dots$ (2) $48 - 38 = \dots\dots\dots$
- (3) $85 + 11 = \dots\dots\dots$ (4) $69 - 32 = \dots\dots\dots$

Arrange the following numbers in an ascending order .

75 , 58 , 92 , 37 , 85

..... , , , ,

Mona has LE 38 and Nada has LE 51 .

How much money do they have altogether ?

They have = + = LE

The Line Plot graph

Example

The following numbers are the result from a test taken by a class of 24 students:

16 , 14 , 17 , 11 , 14 , 19 , 11 , 17
12 , 21 , 22 , 18 , 11 , 16 , 15 , 14
18 , 12 , 13 , 16 , 17 , 15 , 13 , 17

Make a line plot out of These data :

Step 1: We determin the largest and lowest:

The lowest value : 11

The largest value : 22

Step 2: We determine how often each value is repeated

Marks	11	12	13	14	15	16	17	18	19	20	21	22
Frequency	3	2	2	3	2	3	4	2	1	0	1	1

Step 3: We put the numbers on the number line and put a mark (X) above each value according to their frequency



Title: Number of students

X = 1 student

1 Create a line plot using apples in the basket data :
Be sure to give your line plot a title and a key.



a The lowest value : The largest value :

b The number of times each number is repeated

Number of apples	...	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....

c The line plot :



.....

X =

- 2** The following data shows the weights of **20** children.
(in Kilograms) . Creat a line plot using these data.

68 , 65 , 63 , 63 , 62 , 64 , 65 , 61 , 65 , 61
64 , 61 , 64 , 66 , 64 , 62 , 61 , 62 , 68 , 65

- a** The lowest value :.....

The largest value :.....

- b** The number of times each number is repeated

The weight	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	...	...	.....	...	.....	...	.....	.....

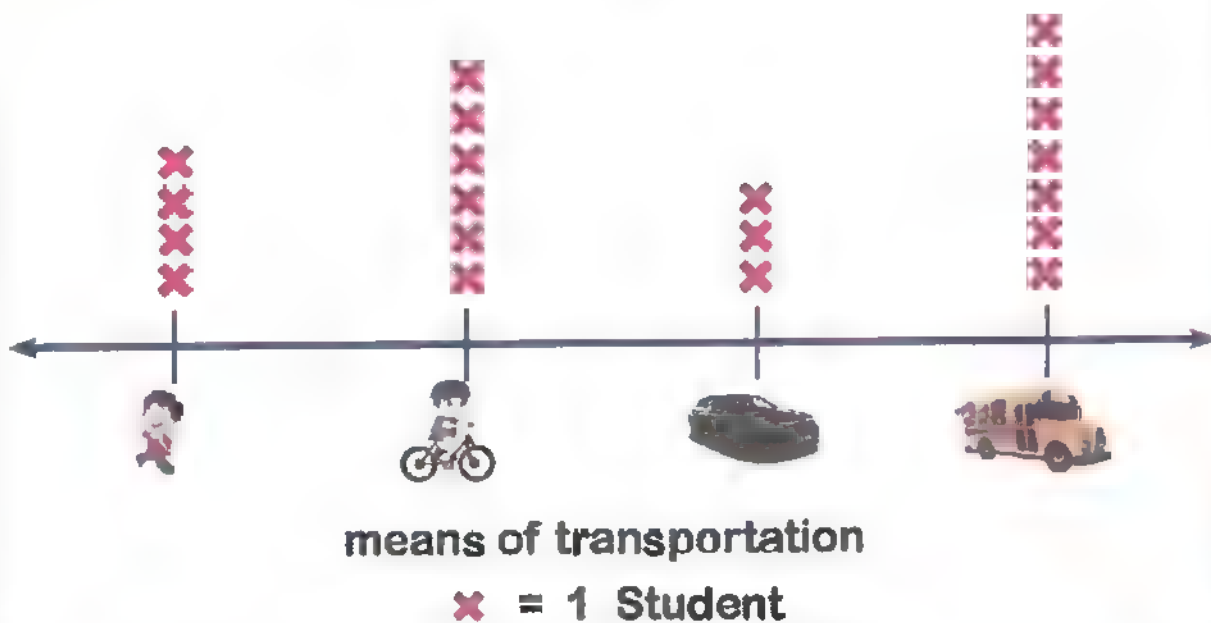
- c** The line plot :



.....

x =

- 3** The following line plot represents the methods used by 20 students to reach school



Answer the following :

- How many students go to school by **bus**?
- How many students go to school by **car**?
- How many students go to school by **bicycle** ?
- How many students go to school on **foot**?
- What is the **most** popular means of transportation for students?
- How many **more** students go by **bus** to school than a **bicycle** ?



1 The following numbers are the result from a test taken by a class of 24 students:

18 , 12 , 13 , 16 , 17 , 17 , 13 , 17
 16 , 14 , 11 , 18 , 14 , 19 , 11 , 17
 21 , 21 , 22 , 18 , 11 , 16 , 15 , 14

Make a line plot out of These data :

a The lowest value :

The largest value :

b The number of times each number is repeated

Marks												
Frequency												

c The line plot :



.....

X =

- 2** Create a line plot using eggs in the basket data :
Be sure to give your line plot a title and a key.



a The lowest value : The largest value :

b The number of times each number is repeated

Number of eggs	...	...	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....	.....

c The line plot :



.....

x =

- 3 The following data shows the weights of 20 children. (in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58
58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

- a The lowest value :

The largest value :

- b The number of times each number is repeated



- c The line plot :



.....

x =

- 4** The following data shows the number of students in each of the school's 20 classes, Creat a line plot using these data :

45 , 40 , 46 , 45 , 39 , 40 , 41 , 43 , 45 , 38
44 , 45 , 39 , 43 , 40 , 43 , 38 , 41 , 44 , 39

- a** The lowest value :

The largest value :

- b** The number of times each number is repeated

The number of students									
Frequency									

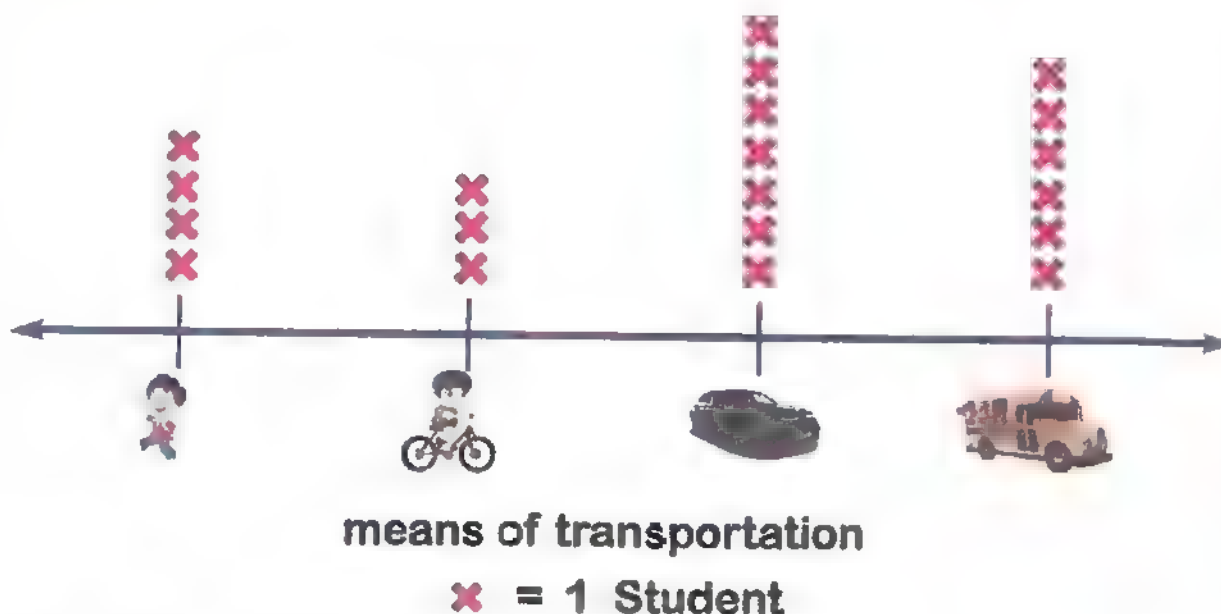
- c** The line plot :



.....

x =

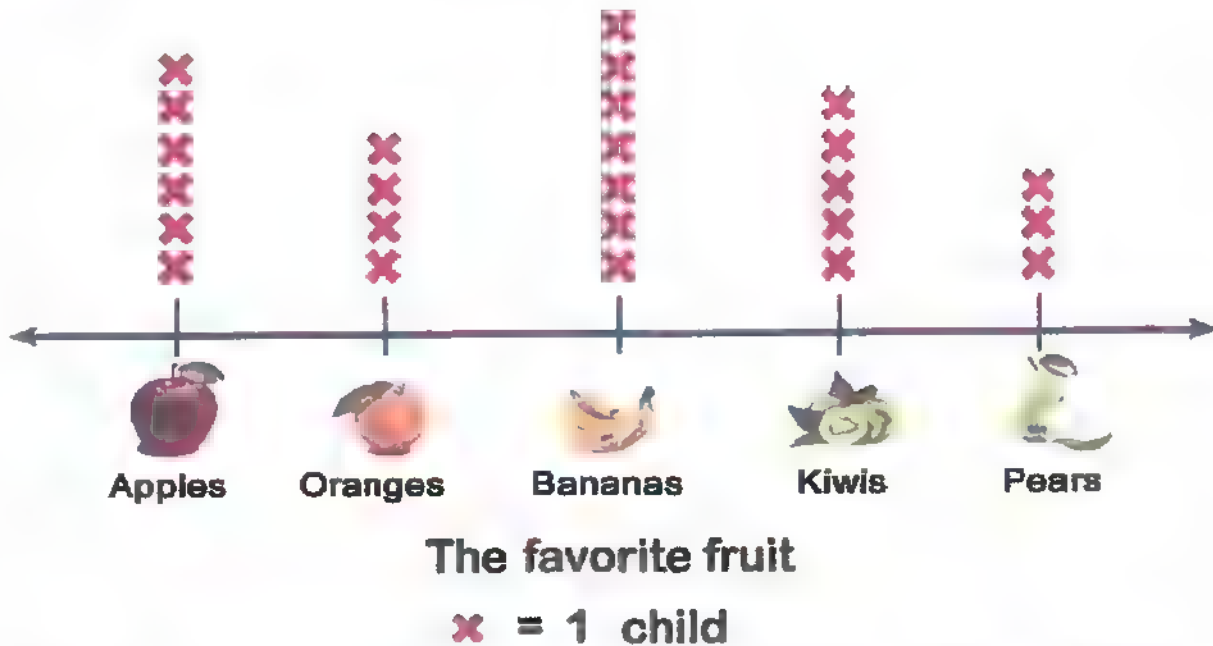
- 5 The following line plot represents the methods used by 20 students to reach school



Answer the following :

- How many students go to school by **bus**?
- How many students go to school by **car**?
- How many students go to school by **bicycle** ?
- How many students go to school on **foot**?
- What is the **most** popular means of transportation for students?
- How many **more** students go by **car** to school than a **bus** ?

- 6 The following line plot shows the favorite fruit types for 25 children :



Complete the following table :

Favorite Fruit					
	Apples	Oranges	Bananas	Kiwis	Pears
Number of children					

Answer the questions:

- How many children liked oranges ?
- How many more children liked apples than pears ?
.....
- How many children all together liked kiwis , apples and oranges ?
.....
- Which fruit is liked the most ?
- Which fruit is liked the least ?



First Choose the correct answer

- a** The smallest number formed from 5 , 0 and 3 =
(503 or 305 or 350)
- b** $7 + 20 + 800 = \dots\dots\dots$ (728 or 278 or 827)
- c** One hundred and ten = (110 or 101 or 111)
- d** The number 580 comes right after (581 or 579 or 570)
- e** The place value of the digit 3 in the number 534 =
(hundreds or ones or tens)

Second Complete the following

- a** The largest 3-digit - number is
- b** The value of the digit 0 in the number 209 is
- c** 105 , 100 , 95 , 90 , , ,
- d** $500 = \dots\dots\dots$ tens
- e** The number that comes right before 600 is

Third Answer the following

- a** Find the result :

$$585 + 315 = \dots\dots\dots$$

$$800 - 86 = \dots\dots\dots$$

$$97 + 13 = \dots\dots\dots$$

$$58 - 18 = \dots\dots\dots$$

- b** Arrange the following numbers in an ascending order .

405 , 504 , 450 , 540 , 500

..... , , , ,

- c** Shimaa had LE 750 , she bought a T-shirt for LE 185 .

Find the remaining money with her ?

The remainder = - = LE

CHAPTER

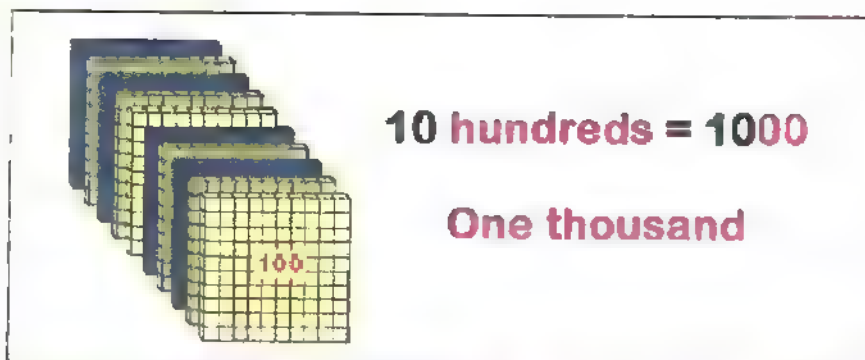
TWO



NUMBER

UP TO 999 999

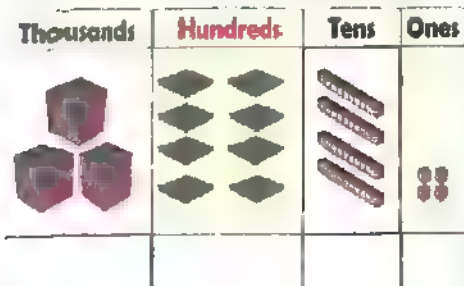
4-digit numbers (Thousands)



Thousands	Hundreds	Tens	Ones


STANDARD FORM
4 538
WORD FORM
Four thousand , five hundred and thirty eight.
SHORT WORD FORM
4 thousand , 538
EXPANDED FORM
 $4000 + 500 + 30 + 8$
 4 thousands + 5 hundreds + 3 tens + 8 ones

Write the number shown on the figure:



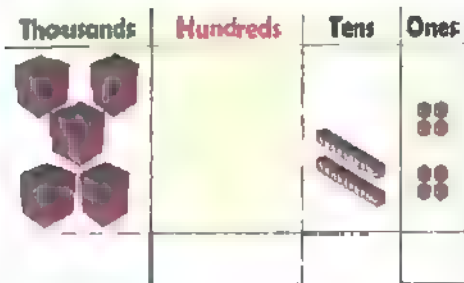
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



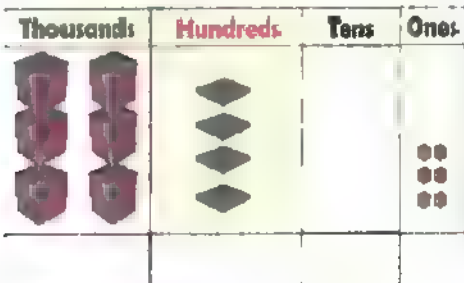
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



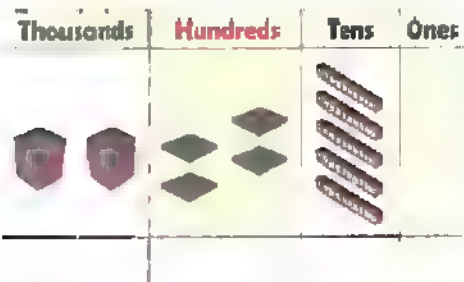
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the number shown on the figure:



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
6 354	..... ..... .....	..... ..... .....	..... + ..... + ..... + ..... ..... Thousands + ... hundreds + ... tens + ... ones
.....	Nine thousand , five hundred and seventy four	..... ..... .....	..... + ..... + ..... + ..... ..... Thousands + ... hundreds + ... tens + ... ones
..... .....	..... ..... .....	8 thousand , 502	..... + ..... + ..... + ..... ..... Thousands + ... hundreds + ... tens + ... ones
..... .....	..... ..... .....	..... ..... .....	$700 + 300 + 20 + 8$ Thousands + ... hundreds + ... tens + ... ones
.....	Six thousand , and twenty	..... ..... .....	..... + ..... + ..... + ..... ..... Thousands + ... hundreds + ... tens + ... ones
3 008	..... ..... .....	..... ..... .....	..... + ..... + ..... + ..... ..... Thousands + ... hundreds + ... tens + ... ones



Write the number shown on the figure:

Thousands	Hundreds	Tens	Ones

WORD
FORM

SHORT WORD
FORM

STANDARD
FORM

EXPANDED
FORM

thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

WORD
FORM

SHORT WORD
FORM

STANDARD
FORM

EXPANDED
FORM

thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

WORD
FORM

SHORT WORD
FORM

STANDARD
FORM

EXPANDED
FORM

thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

WORD
FORM

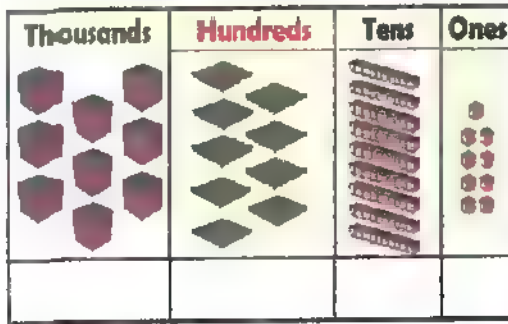
SHORT WORD
FORM

STANDARD
FORM

EXPANDED
FORM

thousands + hundreds + tens + ones

Write the number shown on the figure:



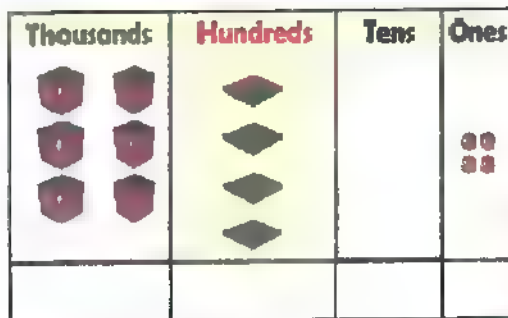
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



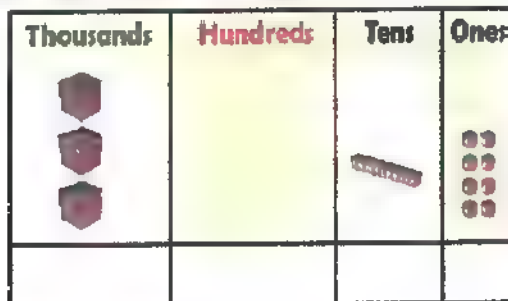
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



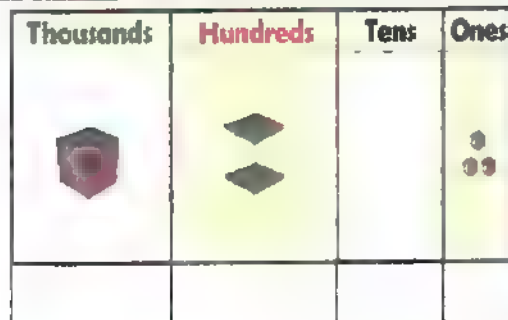
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Write the number shown on the Abacus :



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Write the number shown on the Abacus :



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....

EXPANDED FORM

..... + + +

thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....

EXPANDED FORM

..... + + +

thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....

EXPANDED FORM

..... + + +

thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....

EXPANDED FORM

..... + + +

thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
8 365	..... ..... .....	..... ..... .....	..... + ..... + ..... + ..... .. Thousands + .. hundreds + ... tens + ones
.....	Nine thousand, five hundred and sixteen	..... ..... .....	..... + ..... + ..... + ..... .. Thousands + .. hundreds + ... tens + ... ones
..... .....	..... ..... .....	9 thousand, 73	..... + ..... + ..... + ..... .. Thousands + .. hundreds + ... tens + ... ones
..... .....	..... ..... .....	..... ..... .....	$3000 + 500 + 30 + 2$.. Thousands + .. hundreds + ... tens + ... ones
.....	Two thousand and Five hundred	..... ..... .....	..... + ..... + ..... + ..... .. Thousands + ... hundreds + ... tens + ones
3 285	..... ..... .....	..... ..... .....	..... + ..... + ..... + ..... .... Thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
.....	$7000 + 0 + 0 + 5$ Thousands + hundreds + tens + ones
.....	9 thousand, 127	.... + .... + .... + .... .... Thousands + hundreds + tens + ones
.....	Nine thousand one hundred and seven	.....	..... + ..... + ..... + ..... .... Thousands + hundreds + tens + ones
6 327 + + + Thousands + hundreds + tens + ones
.....	$9000 + 500 + 40 + 8$ Thousands + hundreds + tens + ones
.....	4 thousand, 16	..... + ..... + ..... + ..... .... Thousands + hundreds + tens + ones

Sheet 1

First Choose the correct answer

- a** Six thousand , 12 (in digits) = (6 012 or 6 003 or 6 120)
b Five thousand and fifty one = (5 510 or 5 501 or 5 051)
c $3 + 0 + 0 + 5 = \dots\dots\dots$ (3 005 or 8 or 35)
d 10 hundreds = thosand (1 or 10 or 1000)
e $9000 + 50 + 100 + 6 = \dots\dots\dots$ (9 516 or 9 156 or 9 165)

Second Complete the following

- a** Nine thousand and fifty two (in digits) =
b 7 012 (in words) is
c $5 + 70 + 800 + 3\,000 = \dots\dots\dots$
d 3 thousands = hundreds
e 8 thousand , 45 (in digits) =

Third Answer the following

a Match :

Five thousand and sixteen

9 thousand , 40

4 thousand , 527

Nine thousand , seven
hundred and twenty one




$4000 + 500 + 20 + 7$

$5\,000 + 0 + 10 + 6$

9 thousand , 721

Nine thousand
and forty

b Complete :

Thousands	Hundreds	Tens	Ones
			

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

Lesson 2

5-digit numbers (**Ten-thousands**)

Ten-thousands	One-thousands thousands	Hundreds	Tens	Ones
5	8	4	2	6


**STANDARD
FORM**

58 426

**WORD
FORM**

Fifty eight **thousand** , four hundred
and twenty six

**SHORT-WORD
FORM**

58 **thousand** , 426

**EXPANDED
FORM**
 $50\ 000 + 8\ 000 + 400 + 20 + 6$

58 **thousands** + 4 hundreds + 2 **tens** + 6 **ones**
Remarks

10 thousands = 10 000

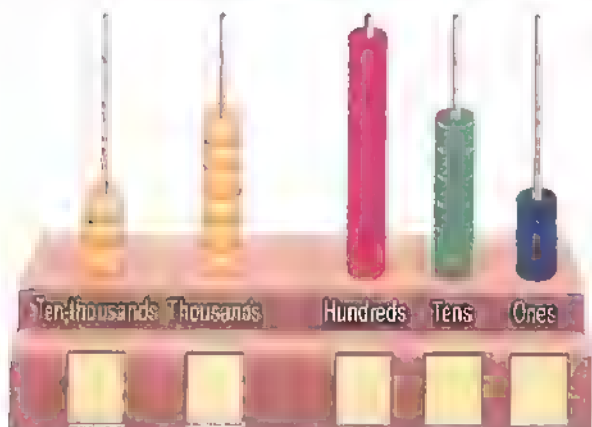
10 thousands = 100 hundreds

10 thousands = 1000 tens

20 000 = 20 thousands = 200 hundreds = 2000 tens

2 000 = 2 thousands = 20 hundreds = 200 tens

Write the number shown on the Abacus :



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands +

hundreds +

tens +

ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

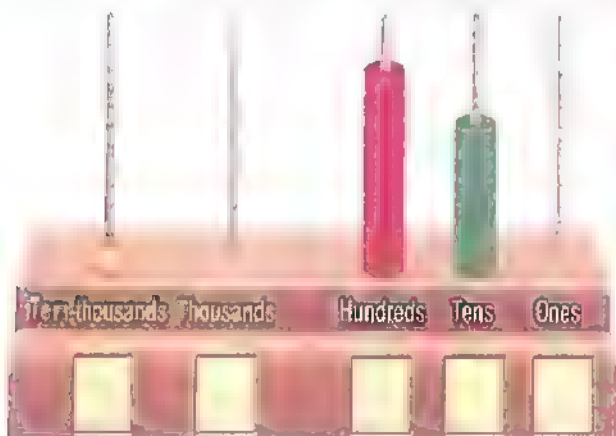
EXPANDED FORM

thousands +

hundreds +

tens +

ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands +

hundreds +

tens +

ones

Complete the following :

STANDARD
FORM

70 357

SHORT-WORD
FORM

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ones

STANDARD
FORM

.....

SHORT-WORD
FORM

48 thousand , 307

WORD
FORM

.....
.....
.....

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ones

STANDARD
FORM

.....

SHORT-WORD
FORM

WORD
FORM

Twenty eight thousand , nine
hundred and fifty one.

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + ... tens + ones

STANDARD
FORM

.....

SHORT-WORD
FORM

WORD
FORM

.....
.....
.....

EXPANDED
FORM

90 000 + 1 000 + 700 + 30 + 2

..... Thousands + hundreds + .. tens + ones

Write the following numbers in standard form:

- a) Fifty six thousand , two hundred forty five :
- b) 29 thousands + 2 hundreds + 9 tens + 2 ones =
- c) 18 thousands , 736 =
- d) 50 000 + 4 000 + 20 + 5 =

Write the following numbers in word form:

- a) 26 128 :
- b) 50 thousand + 2 hundreds + 3 ones :
- c) 16 thousand , 203 :
- d) 20 000 + 20 :

Write the following numbers in short word form:

- a) Nineteen thousand and fifteen :
- b) 12 thousands + 3 tens :
- c) 75 207 :
- d) 80 000 + 500 + 90 + 1 =

Write the following numbers in expanded form:

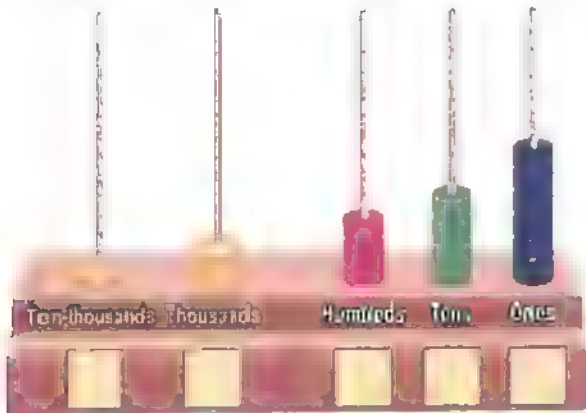
- a) 25 128 = + + + +
- b) 75 193 = ... thousands + ... hundreds + ... tens + ... ones
- c) Seventy five thousand , nine hundred sixty four
= + + + +
- d) 25 thousand , 15 = + + + +



HOMEWORK



Write the number shown on the Abacus :



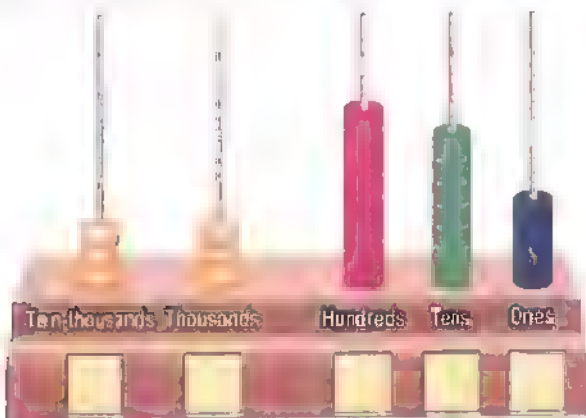
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

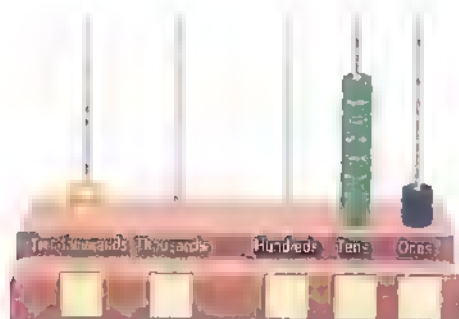
SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Write the number shown on the Abacus :



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

... thousands + ... hundreds + ... tens + ... ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

... thousands + ... hundreds + ... tens + ... ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

... thousands + ... hundreds + ... tens + ... ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

... thousands + ... hundreds + ... tens + ... ones

Complete the following table :

STANDARD
FORM

87 635

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ... ones

STANDARD
FORM

52 038

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ... ones

STANDARD
FORM

.....

SHORT WORD
FORM

68 thousand , 200

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + ... ones

STANDARD
FORM

.....

SHORT WORD
FORM

15 thousand , 150

WORD
FORM

EXPANDED
FORM

..... + + +
..... Thousands + hundreds + tens + .. ones

Complete the following:

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**Twenty thousand,
two hundred and two**

**EXPANDED
FORM**

Thousands + .. hundreds + .. tens + .. ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**fifty eighty thousand,
one hundred and thirty two**

**EXPANDED
FORM**

Thousands + .. hundreds + .. tens + .. ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**EXPANDED
FORM**

70 000 + 3 000 + 500 + 60 + 7
Thousands + .. hundreds + .. tens + .. ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**EXPANDED
FORM**

98 Thousands + 5 hundreds + 6 tens + 2 ones

Write the following numbers in standard form :

- Ninety six thousand , five hundred and fifteen :
- Seventy thousand , Two hundred and five :
- Ten thousand and five :
- Sixteen thousand and four hundred :
- Five thousand and eleven :
- $30\ 000 + 2\ 000 + 500 + 40 + 2 = \dots\dots\dots$
- $800 + 50\ 000 + 7 = \dots\dots\dots$
- $20 + 1 + 70\ 000 + 4000 = \dots\dots\dots$
- 25 thousand + 4 hundred + 6 tens + 2 ones =
- 8 hundreds + 15 thousands + 2 ones + 3 tens =
- 5 hundreds + 20 thousands + 4 ones + 6 tens =
- 45 thousand , 105 =

Write the following numbers in expanded form :

- $35\ 256 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- $98\ 125 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- $30\ 065 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- Ninety six thousand , Two hundred and fifty seven
 $= \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- Eighty thousand , five hundred and two
 $= \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- Ten Thousand and five
 $= \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- 15 thousand , 298
 $= \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- 70 thousand , 25 =

Write the following numbers in expanded form :

- a) $35\ 256 = \dots \dots \dots$ thousands $+$ $\dots \dots \dots$ hundreds $+$ $\dots \dots \dots$ tens $+$ $\dots \dots \dots$ ones
- b) $40\ 128 = \dots \dots \dots$ thousands $+$ $\dots \dots \dots$ hundreds $+$ $\dots \dots \dots$ tens $+$ $\dots \dots \dots$ ones
- c) $96\ 138 = \dots \dots \dots$ hundreds $+$ $\dots \dots \dots$ thousands $+$ $\dots \dots \dots$ ones $+$ $\dots \dots \dots$ tens
- d) $18\ 050 = \dots \dots \dots$ tens $+$ $\dots \dots \dots$ thousands $+$ $\dots \dots \dots$ ones $+$ $\dots \dots \dots$ hundreds
- e) Seventy two thousand, six hundred and fourteen
- f) $\dots \dots \dots = \dots \dots \dots$ thousands $+$ $\dots \dots \dots$ ones $+$ $\dots \dots \dots$ hundreds $+$ $\dots \dots \dots$ tens
- g) Eighteen thousand, Five hundred and twenty seven
- h) $\dots \dots \dots = \dots \dots \dots$ thousands $+$ $\dots \dots \dots$ hundreds $+$ $\dots \dots \dots$ tens $+$ $\dots \dots \dots$ ones
- i) Ninety thousand , and nineteen
- j) $\dots \dots \dots = \dots \dots \dots$ tens $+$ $\dots \dots \dots$ hundreds $+$ $\dots \dots \dots$ thousands $+$ $\dots \dots \dots$ ones

Write the following numbers in word form :

- a) $45\ 369$ $\dots \dots \dots$
- b) $29\ 023$ $\dots \dots \dots$
- c) $20\ 105$ $\dots \dots \dots$
- d) 12 thousand, 208 $\dots \dots \dots$
- e) 18 thousand , 830 $\dots \dots \dots$
- f) 10 thousand ,070 $\dots \dots \dots$

Write the following numbers in word form :

a) 30 thousand + 5 hundreds + 4 tens + 2 ones =

.....

b) 63 thousand + 8 tens + 5 hundreds + 2 ones =

.....

c) 2 hundreds + 52 thousands + 2 ones + 6 tens =

.....

d) 7 ones + 68 thousands + 4 hundreds + 3 tens =

.....

e) 50 000 + 2 000 + 100 + 30 + 4 =

.....

f) 10 + 90 000 + 600 + 4 + 7 000 =

.....

g) 20 000 + 50 + 4 =

.....

h) 90 000 + 4 000 + 20 =

.....



Sheet 2

First Choose the correct answer

- a** Sixty thousand , seven hundred and ninety six =
(6 796 or 60 796 or 67 096)
- b** Ninety thousand , 19 = (90 019 or 19019 or 9019)
- c** $30\,000 + 200 + 4 = \dots\dots\dots$ (30 024 or 32 004 or 30 204)
- d** 100 hundreds = thosand (10 000 or 100 or 10)
- e** 25 thousands + 6 ones + 7 hundreds + 9 tens =
(25 679 or 25 796 or 25 769)

Second Complete the following

- a** 15 thousand , 50 = (Standard form)
- b** $200 + 50\,000 + 6 + 9000 + 7 = \dots\dots\dots$ (Standard form)
- c** $95\,256 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- d** 9 thousand + 5 tens + 7 ones + 2 hundreds =
.....
- e** 60 308 (Word form) :
.....

Third Answer the following

Mach

Ninety nine thousand and nine hundred	90 099
Ninety thousand and ninety nine	90 990
Ninety thousand , nine hundred and nine	99 900
Ninety thousand , nine hundred and ninety	90 909

LESSON 3

6-digit number (Hundred-thousands)

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones	Hundreds	Tens	Ones
3	6	1	2	4	3



STANDARD
FORM

361 243

WORD
FORM

Three hundred sixty one thousand ,
two hundred forty three.

SHORT WORD
FORM

361 thousand , 243.

EXPANDED
FORM

$300\ 000 + 60\ 000 + 1\ 000 + 200 + 40 + 3.$

361 thousand + 2 hundreds + 4 tens + 3 ones.

Remarks

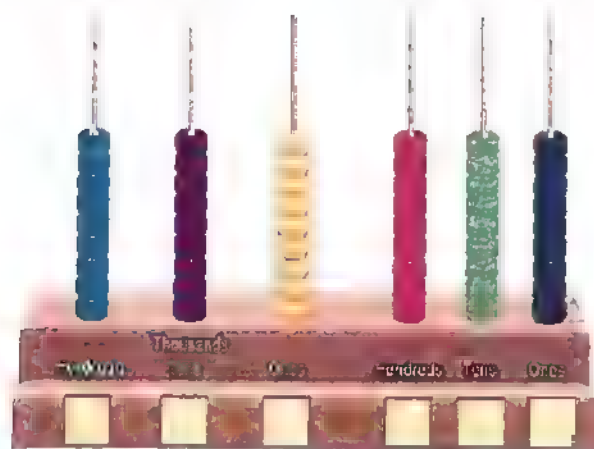
100 thousands = 100 000

100 thousands = 1000 hundreds

100 thousands = 10000 tens

200 000 = 200 thousands = 2000 hundreds = 20000 tens

Write the number shown on the Abacus :



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	5	0	0	7	2

STANDARD
FORM

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	0	0	8	1	0

STANDARD
FORM

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	1	5	0	0	3

STANDARD
FORM

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Write the following numbers in standard form:

- a) Five hundred six thousand , two hundred forty five :
- b) 367 thousands + 5 hundreds + 2 tens + 3 ones =
- c) 818 thousands , 482 =
- d) $200\ 000 + 40\ 000 + 5\ 000 + 900 + 80 + 7 =$

Write the following numbers in word form:

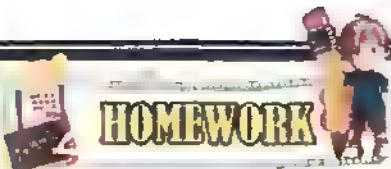
- a) 100 066 :
- b) 550 thousand + 2 hundreds :
- c) 206 thousand , 20 :
- d) $200\ 000 + 200$:

Write the following numbers in short word form:

- a) Nine hundred thousand and fifteen :
- b) 313 thousands + 33 tens :
- c) 975 009 :
- d) $800\ 000 + 10\ 000 + 5000 + 500 + 90 + 1 =$

Write the following numbers in expanded form:

- a) $815\ 125 =$ + + + + +
- b) $179\ 375 =$ thousands + hundreds + tens + ones
- c) Seven hundred ninety five thousand , nine hundred sixty four
 $=$ + + + + +
- d) 515 thousand , 155
 $=$ + + + + +



Write the number shown on the Abacus :



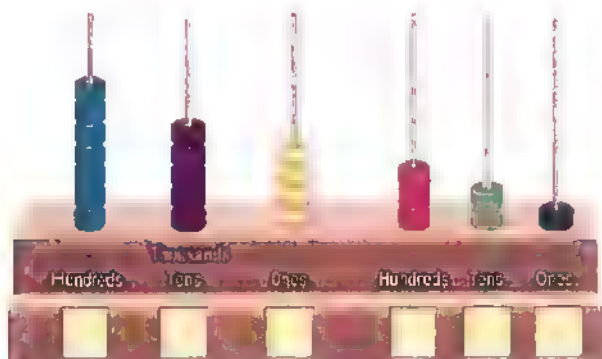
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

$1,000 + 200 + 30 + 4$
 thousands + hundreds + tens + ones



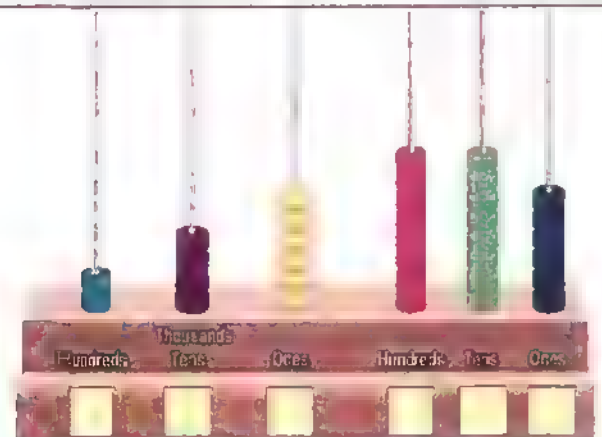
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

$2,000 + 300 + 40 + 5$
 thousands + hundreds + tens + ones



STANDARD FORM

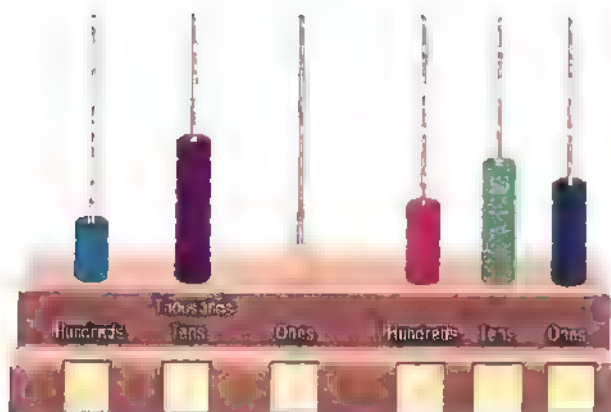
SHORT WORD FORM

WORD FORM

EXPANDED FORM

$3,000 + 400 + 50 + 6$
 thousands + hundreds + tens + ones

Write the number shown on the Abacus :



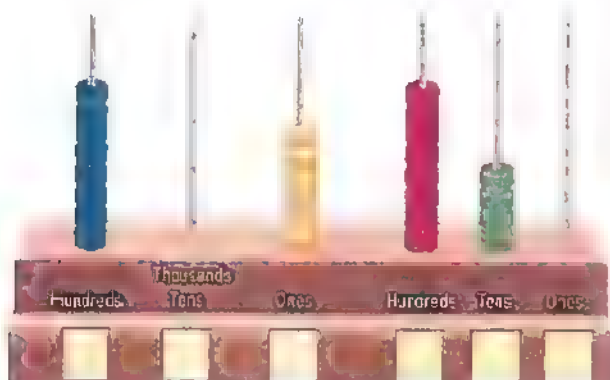
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



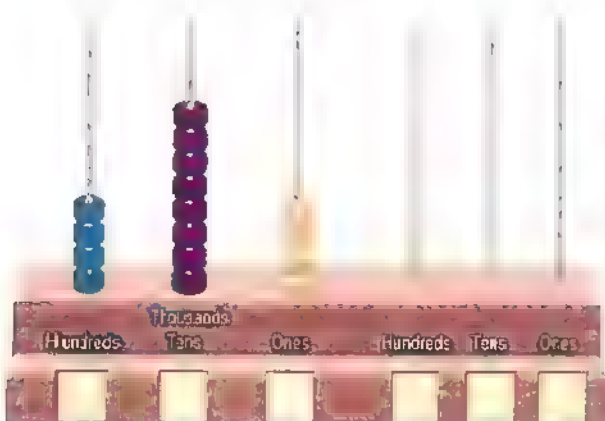
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	7	3	9	0	4

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	1	6	5	7	3

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	3	4	7	8	9

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
9	9	9	9	9	9

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	0	3	0	1	8

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

... thousands + ... hundreds + ... tens + ... ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
6	7	2	0	0	4

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

... thousands + ... hundreds + ... tens + ... ones

Write the following numbers in standard form:

a Nine hundred nine **thousand** , Ninety nine
(.....)

b Five hundred twenty six **thousand** , fifteen
(.....)

c Two hundred thirty **thousand** , three hundred
(.....)

d **thousand** , fifty
(.....)

e Five hundred fifty **thousand**
(.....)

f Five hundred **thousand** , five
(.....)

g Five hundred five **thousand**
(.....)

h Five hundred **thousand** , five hundred
(.....)

i Eight hundred sixty seven **thousand** , seven hundred
eight four
(.....)

j Seven hundred thirty **thousand** , thirty seven
(.....)

k Nine hundred ninety nine **thousand** , nine hundred and
ninety nine
(.....)

l Four hundred fourteen **thousand** , four hundred fourteen
(.....)

m Four hundred four **thousand** , four hundred four
(.....)

n Six hundred sixty two **thousand** , one hundred and
seventy three
(.....)

Write the following numbers in word form:

a 785 521

.....

.....

b 502 020

.....

.....

c 540 120

.....

.....

d 560 217

.....

.....

e 500 200

.....

.....

f 303 000

.....

g 300 300

.....

h 300 003

.....

i 300 030

.....

Complete :

- a $500\ 000 + 20\ 000 + 6\ 000 + 800 + 90 + 2 = \dots\dots\dots$
- b $9 + 20 + 500 + 2\ 000 + 70\ 000 + 600\ 000 = \dots\dots\dots$
- c $800\ 000 + 2\ 000 + 200 + 7 = \dots\dots\dots$
- d $500\ 000 + 80\ 000 + 3 = \dots\dots\dots$
- e $600\ 000 + 300 + 40 + 2 = \dots\dots\dots$
- f $50 + 800\ 000 + 6\ 000 = \dots\dots\dots$
- g $780\ 960 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- h $903\ 103 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- i $500\ 803 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- j $902\ 007 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

Complete :

- a $858\ 231 = \dots\dots$ thousands + \dots hundreds + \dots tens + \dots ones
- b $820\ 025 = \dots\dots$ ones + \dots hundreds + $\dots\dots$ thousands + \dots tens
- c $65\ 023 = \dots\dots$ thousands + \dots hundreds + \dots tens + \dots ones
- d $10\ 203 = \dots$ tens + $\dots\dots$ thousands + \dots hundreds + \dots ones
- e 125 thousands + 2 hundreds + 6 tens + 7 ones = $\dots\dots\dots$
- f 9 hundreds + 8 ones + 782 thousands + 3 tens = $\dots\dots\dots$
- g 3 ones + 25 thousands + 7 tens = $\dots\dots\dots$
- h 12 thousands + 9 tens = $\dots\dots\dots$



Sheet 3

First Choose the correct answer

- a** Five hundred sixty thousand , sixty five =
(560 065 or 56 065 or 5656)
- b** 700 thousad, 7 = (700 700 or 700 007 or 700 070)
- c** $3 + 0 + 0 + 0 + 0 + 4 = \dots\dots\dots$ (300 004 or 34 or 7)
- d** 250 thousands = ... Tens (250 000 or 25 000 or 2 500)
- e** 602 thousands + 5 hundreds + 2 tens =
(60 252 or 602 052 or 602 520)

Second Complete the following

- a** Two hundred sixty one thousand, fifty two =
- b** $70\ 000 + 50 + 500\ 000 + 300 + 5 + 8\ 000 = \dots\dots\dots$
- c** 200 thousand, 20 =
- d** 852 thousand + 7 tens + 5 ones =
- e** $\uparrow, \downarrow, \uparrow, \downarrow, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

Third Answer the following

Match :

Six hundred thousand ,
six hundred six

606 600

Six hundred six thousand ,
six hundred

606 006

Six hundred sixty thousand ,
and six

600 606

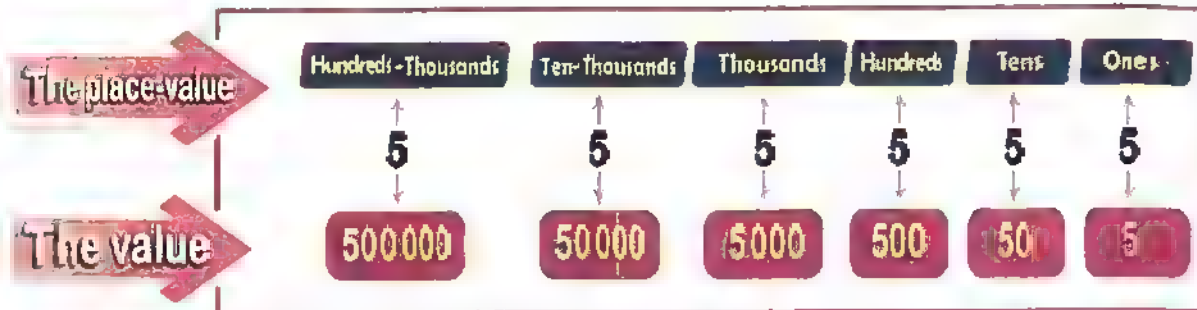
Six hundred six thousand ,
and six

660 006

LESSON

4

The place-value



Example

The digit **5** in the number 35 792 is:
In the place of **thousands** and its value is **5 000**

1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	455 369	.....	.....
b	362 512	.....	.....
c	280 239	.....	.....
d	696 274	.....	.....
e	51 780	.....	.....
f	39 924	.....	.....
g	17 357	.....	.....
h	28 474	.....	.....

2 Write the value of the digit 7 in each of the following :

a 788 569 : **d** 399 750 :

b 180 217 : **e** 675 584 :

c 432 476 : **f** 207 000 :

3 Write the place-value of the digit 4 in each of the following :

a 532 485 : **d** 947 239 :

b 325 374 : **e** 614 698 :

c 250 241 : **f** 421 100 :

4 Complete each of the following :

a $250\,000 + 25 =$

b $20\,000 + 2 =$

c $6 + 800\,000 + 900 =$

d $28\,000 + 140 =$

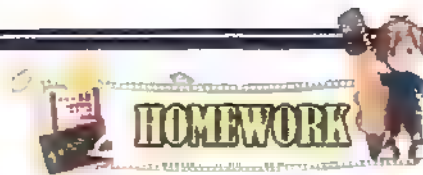
e 773 thousand + 5 hundreds + 4 tens =

f 8 ones + 354 thousands + 4 tens =

g $450\,045 = 45 +$

h $200\,020 = 20 +$

i $78\,245 =$ thousands + hundreds + tens + ones



1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	788 125	.....	.....
b	149 896	.....	.....
c	223 468	.....	.....
d	414 987	.....	.....
e	849 875	.....	.....
f	810 558	.....	.....
g	247 028	.....	.....
h	310 234	.....	.....
i	695 580	.....	.....
j	47 682	.....	.....
k	20 006	.....	.....
l	87967	.....	.....
m	66 347	.....	.....
n	2 978	.....	.....
o	8 714	.....	.....
p	4 709	.....	.....
q	9 999	.....	.....
r	2 058	.....	.....

2 Write the value of the digit 7 in each of the following :

- | | |
|-----------------------------|-----------------------------|
| 1) 645 69 7 : | 2) 55 12 7 : |
| 3) 868 7 20 : | 4) 24 2 7 9 : |
| 5) 5 7 0 569 : | 6) 3 7 14 : |
| 7) 221 3 7 8 : | 8) 7 028 : |
| 9) 7 50 008 : | 10) 7 1 112 : |
| 11) 98 7 698 : | 12) 25 7 89 : |
| 13) 555 7 02 : | 14) 68 12 7 : |
| 15) 983 98 7 : | 16) 5 7 369 : |
| 17) 0 7 2 : | 18) 12 1 7 6 : |
| 19) 7 298 : | 20) 7 0 002 : |

3 Write the place-value of the digit 4 in each of the following :

- | | |
|---------------------------------|-----------------------------|
| 1) 136 12 4 : | 2) 4 258 : |
| 3) 868 4 17 : | 4) 2 0 4 8 : |
| 5) 2 4 8 123 : | 6) 3 00 4 : |
| 7) 798 2 4 7 : | 8) 9 4 17 : |
| 9) 11 4 816 : | 10) 9 12 4 : |
| 11) 4 11 152 : | 12) 4 2 369 : |
| 13) 4 368 : | 14) 1 4 589 : |
| 15) 1 2 4 8 : | 16) 25 4 78 : |
| 17) 4 12 : | 18) 63 12 4 : |
| 19) 3 5 4 : | 20) 98 2 4 7 : |

4 Complete each of the following :

1) $200\ 000 + 50 = \dots\dots\dots$ 2) $60\ 000 + 6000 = \dots\dots\dots$

3) $500\ 000 + 3 = \dots\dots\dots$ 4) $40\ 000 + 400 = \dots\dots\dots$

5) $600\ 000 + 800 = \dots\dots\dots$ 6) $900\ 000 + 90 = \dots\dots\dots$

7) $150\ 000 + 15 = \dots\dots\dots$ 8) $600\ 000 + 6 = \dots\dots\dots$

9) $300\ 000 + 30 = \dots\dots\dots$ 10) $77\ 000 + 77 = \dots\dots\dots$

11) $58\ 058 = 58 + \dots\dots\dots$ 12) $700\ 070 = 70 + \dots\dots\dots$

13) $122\ 568 = 568 + \dots\dots\dots$

14) $100\ 000 + 20\ 000 + 5\ 000 + 200 + 80 + 9 = \dots\dots\dots$

15) $30\ 000 + 6\ 000 + 800 + 30 + 2 = \dots\dots\dots$

16) $8 + 1\ 000 + 90 + 600\ 000 + 200 = \dots\dots\dots$

17) $90 + 900\ 000 + 9 = \dots\dots\dots$

18) $600 + 3\ 000 + 200\ 000 = \dots\dots\dots$

19) $288\ \text{thousands} + 5\ \text{hundreds} + 3\ \text{tens} + 5\ \text{ones}$
 $= \dots\dots\dots$

20) $6\ \text{hundreds} + 559\ \text{thousands} + 3\ \text{ones} = \dots\dots\dots$

21) $7\ \text{tens} + 482\ \text{thousands} + 3\ \text{ones} = \dots\dots\dots$

22) $59\ \text{thousands} + 2\ \text{tens} = \dots\dots\dots$

23) $336\ 489 = \dots\dots\dots\ \text{thousands} + \dots\dots\dots\ \text{hundreds}$
 $+ \dots\dots\dots\ \text{tens} + \dots\dots\dots\ \text{ones}$

24) $50\ 287 = \dots\dots\dots\ \text{thousands} + \dots\dots\dots\ \text{hundreds}$
 $+ \dots\dots\dots\ \text{tens} + \dots\dots\dots\ \text{ones}$



First Choose the correct answer

- a** Twenty five thousand , four hundred and six =
(2 546 or 25 460 or 25 406)
- b** $200\ 020 = 20 + \dots\dots\dots$ (200 000 or 200 or 20)
- c** 300 hundreds = ... thousands (3 or 30 or 300)
- d** $360 + 36 = \dots\dots\dots$ (36 036 or 3636 or 396)
- e** The value of the digit 5 in the number 36 589 is
(5 000 or 500 or 50)

Second Complete the following

- a** $200\ 000 + 90\ 000 + 4\ 000 + 200 + 70 + 6 = \dots\dots\dots$
- b** The place-value of the digit 5 in the number 566 102 is
- c** 9 tens + 5 ones + 377 thousands =
- d** 98 thousand , 25 = (Standard form)
- e** 230 090 (Word form) :

Third Answer the following

- a** Write the value of the encircled digit in each of the following :
- a) 523 51² : b) 366 ²58 :
- c) 2⁵6 023 : e) ¹00 236 :
- e) 85 5⁹8 : f) 6 ¹28 :
- g) ⁹0 002 : h) 845 3⁶9 :
- b** Write the place-value of the encircled digit in each of the following .
- a) ³60 258 : b) 6⁹0 003 :
- c) 127 ⁰28 : e) 118 ²47 :
- e) ⁶5 987 : f) 58³ 571 :
- g) 89 2³0 : h) 28 91⁴ :

LESSON

5

Before and After

Example

The number **56 258** comes right after **56 257**

The number that comes right after **56 258** is **56 259**

Example

The number **336 999** comes right before **337 000**

The number that comes right before **336 999** is **336 998**

1 The number that comes right after :

a 35 783 is **d** 315 099 is

b 68 029 is **e** 820 999 is

c 45 199 is **f** 699 999 is

2 The number that comes right before :

a 370 689 is **d** 13 000 is

b 582 540 is **e** 50 000 is

c 700 000 is **f** 4 500 is

3 Complete the following table

	The number before	The number	The number after
a	56 099	
b	100 000	
c	8 206	

4 Complete in the same pattern

a	25 000	25 010		25 030
	25 040			25 070
	25 080	25 090		
			25 140	

The
pattern

b	24 050	23 050	22 050	
			18 050	
		15 050		
			10 050	

The
pattern

c	543 200	553 200	563 200	
			603 200	
		633 200		
			683 200	

The
pattern

5 Complete:

- a** The number that comes right **after** 26 999 is
- b** The number that comes right **before** 300 000 is
- c** The number 6 528 comes right **after**
- d** The number 522 060 comes right **before**
- e** The number comes right **before** 50 080 .
- f** The number comes right **after** 2 125 .



HOMEWORK



Pony

1 The number that comes right after :

- | | |
|----------------------|---------------------|
| 1) 925 366 : | 2) 5 639 : |
| 3) 415 029 : | 4) 4 289 : |
| 5) 510 989 : | 6) 5 099 : |
| 7) 623 299 : | 8) 6 199 : |
| 9) 810 399 : | 10) 89 999 : |
| 11) 315 999 : | 12) 39 999 : |
| 13) 170 999 : | 14) 10 009 : |
| 15) 959 999 : | 16) 99 990 : |
| 17) 139 999 : | 18) 10 099 : |
| 19) 99 999 : | 20) 12 354 : |

2 The number that comes right before :

- | | |
|----------------------|---------------------|
| 1) 182 368 : | 2) 1 000 : |
| 3) 252 012 : | 4) 2 100 : |
| 5) 950 321 : | 6) 3 900 : |
| 7) 390 250 : | 8) 5 230 : |
| 9) 765 190 : | 10) 6 780 : |
| 11) 512 200 : | 12) 5 000 : |
| 13) 250 100 : | 14) 20 000 : |
| 15) 650 000 : | 16) 56 111 : |
| 17) 110 000 : | 18) 22 001 : |
| 19) 100 000 : | 20) 31 201 : |

3 Complete the following table

	The number before	The number	The number after
a	325 365	.....
b	312 030	.....
c	145 120	.....
d	636 700	.....
e	50 000	.....
f	699 999	.....
g	500 000	.....
h	85 100	.....
i	80 999	.....
j	60 000	.....
k	59 999	.....
l	10 000	.....
m	1 000	.....
n	9 999	.....
o	999	.....
p	20 107	.....

4 Complete in the same pattern

a	12 900	12 910	12 920	.....
	.....	.....	12 960	12 970
	12 980	.....	.....	13 010
	.....	.....	13 040	.....

The
pattern
.....

b	5 260	5 250	5 240	.....
	.....	5 210	.....	.....
	5 180	.....	.....	5 150
	.....	5 130	5 120	.....

The
pattern
.....

c	67 500	.....	67 700	67 800
	67 900	.....	.....	68 200
	.....	68 400	68 500	.....
	68 700	.....	.....	.....

The
pattern
.....

d	.....	37 900	37 800	.....
	37 600	.....	.....	37 300
	.....	37 100	37 000	.....
	36 800	36 700	.....	.....

The
pattern
.....

e	5 000	6 000	.....	.....
	9 000	.....	.....	12 000
	.....	.....	15 000	.....
	17 000	.....	.....	20 000

The
pattern
.....

f	57 020	56 020	55 020	.....
	53 020	.....	.....	50 020
	.....	48 020	.....	.....
	.....	.....	43 020	.....

The
pattern
.....

g	200 000	211 000	222 000	.....
	.....	.....	.....	277 000
	288 000	.....	310 000	.....
	332 000	.....	.....	365 000

The
pattern
.....

5 Complete :

- 1) The number that comes right **after** 366 258 is
- 2) The number that comes right **after** 70 999 is
- 3) The number that comes right **after** 999 is
- 4) The number that comes right **before** 155 000 is
- 5) The number that comes right **before** 22 100 is
- 6) The number that comes right **before** 2 500 is
- 7) The number 355 025 comes right **after**
- 8) The number 16 000 comes right **after**
- 9) The number 8 023 comes right **after**
- 10) The number 99 999 comes right **before**
- 11) The number 100 099 comes right **before**
- 12) The number 5 236 comes right **before**
- 13) The number comes right **after** 599 999 .
- 14) The number comes right **after** 11 009 .
- 15) The number comes right **after** 7 123 .
- 16) The number comes right **before** 80 200 .
- 17) The number comes right **before** 133 022 .
- 18) The number comes right **before** 1 500 .

First Choose the correct answer

- The number that comes right after 255 099 is
(266 000 or 255 199 or 255 100)
- $30 + 0 + 0 + 0 + 4 = \dots\dots\dots$ (300 004 or 34 or 304)
- 20 thousands = hundreds (2 000 or 200 or 20)
- 5 ones + 75 thousands = (75 005 or 75 500 or 75 050)
- The value of the digit 9 in the number 82 914 is
(90 000 or 9 000 or 900)

Second Complete the following

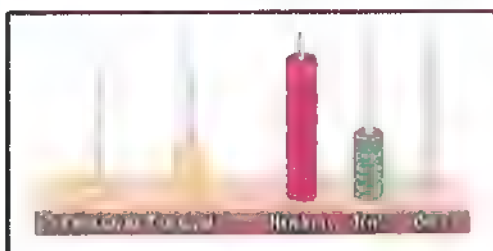
- The number 78 023 comes right before
- $60 + 50\,000 + 400 + 8 + 9\,000 + 700\,000 = \dots\dots\dots$
- The place-value of the digit 5 in the number 5 123 is
- 22 500 , 22 600 , 22 700 , , ,
- 40 011 (Word form) :

Third Answer the following

- Match :

5 thousands + 5 ones	50 050
50 thousands + 5 tens	500 005
5 thousands + 5 tens	5 005
500 thousands + 5 ones	5 050

- Write the number shown on the abacus:



Standard form :

Word form :

.....
.....

Comparing Two Numbers

1 The **largest** number formed from

- (a) 4 digits is
- (b) 4 same digits
- (c) 4 different digits
- (d) 5 digits is
- (e) 5 same digits
- (f) 5 different digits
- (g) 6 digits is
- (h) 6 same digits
- (i) 6 different digits

2 The **smallest** number formed from

- (a) 4 digits is
- (b) 4 same digits
- (c) 4 different digits
- (d) 5 digits is
- (e) 5 same digits
- (f) 5 different digits
- (g) 6 digits is
- (h) 6 same digits
- (i) 6 different digits

3 Complete using $<$, $=$ or $>$:

(a) 45 658 62 021

(b) 650 023 650 009

(c) 100 101 88 017

(g) 35 thousands + 45 35 450

(h) 200 thousands + 8 hundreds 208 000

(i) 50 000 + 400 + 3 50 043

(j) 60 + 600 Sixty thousand and six hundred

(d) 78 569 79 003

(e) 288 119 288 109

(f) 54 002 54 200

4 Complete the following :

- a** The largest 5-digit number is
- b** The largest number formed from 5 different digits
is
- c** The largest number formed from 5 same digits
is
- d** The smallest 4-digit number is
- e** The smallest number formed from 4 different digits
is
- f** The smallest number formed from 4 same digits
is
- g** The largest number formed from the digits :
(5 , 8 , 3 , 7 and 4) is
- h** The smallest number formed from the digits :
(4 , 1 , 6 and 9) is
- i** The largest 5 - digit - number formed from the digits :
(3 , 8 and 4) is
- j** The smallest 4 - digit - number formed from the digits :
(5 and 8) is



HOMEWORK



1 Complete using $<$, $=$ or $>$:

a 345 123 600 201

g 25 268 17 268

b 788 250 788 520

h 36 159 36 159

c 441 002 441 020

i 39 020 39 200

d 99 999 100 010

j 6 302 60 020

e 90 909 99 090

k 12 000 10 200

f 5 628 5 268

l 77 020 77 202

m $200\ 000 + 20\ 000 + 3\ 000 + 200 + 10 + 7$ 223 217

n $5 + 20 + 300 + 7\ 000 + 60\ 000$ 52 376

p 255 thousands + 2 hundreds + 7 ones 255 207

q 5 tens + 7 thousands + 4 hundreds 7 405

r Twenty thousand and twenty 2 020

s Thirteen thousand, one hundred and three 13 013

t The largest 5-digit number 99 099

u The smallest 6-different-digit number 123 456

v $500\ 000 + 50\ 000 + 500 + 5$ 555 005

w $3600 + 36$ 360 036

2 Complete: The largest :

- a** 4-digit number is
- b** 5-digit number is
- c** 6-digit number is
- d** 4-different-digit number is
- e** 5-different-digit number is
- f** 6-different-digit number is
- g** 4-same-digit number is
- h** 5-same-digit number is
- i** 6-same-digit number is

3 Complete: The smallest :

- a** 4-digit number is
- b** 5-digit number is
- c** 6-digit number is
- d** 4-different-digit number is
- e** 5-different-digit number is
- f** 6-different-digit number is
- g** 4-same-digit number is
- h** 5-same-digit number is
- i** 6-same-digit number is

4 The **largest** number formed from the digits:

- a** (5 , 8 , 6 , 2 , 7 and 3) is
- b** (7 , 4 , 2 , 9 , 1 and 5) is
- c** (9 , 3 , 6 and 4) is
- d** (6 , 9 , 0 , 4 and 1) is
- e** (8 , 2 , 4 , 0 and 7) is
- f** (2 , 7 , 0 and 3) is

5 The **smallest** number formed from the digits:

- a** (6 , 2 , 5 and 9) is
- b** (7 , 8 , 0 and 4) is
- c** (2 , 0 , 6 and 3) is
- d** (7 , 9 , 0 , 6 and 1) is
- e** (9 , 2 , 7 , 8 , 3 and 5) is
- f** (4 , 1 , 0 , 7 , 6 and 9) is

6 The **largest** and the **smallest** 5-digit number formed from the digits:

- a** (3 , 2 , 7 and 9) is ,
- b** (3 , 2 and 9) is ,
- c** (8 and 3) is ,

7 The **largest** and the **smallest** 6-digit number formed from the digits:

- a** (2 , 6 and 3) is ,
- b** (9 , 2 , 6 and 1) is ,
- c** (3 and 8) is ,

First Choose the correct answer

- a The largest number formed from 5 - different digits is
(99 999 or 98 765 or 10 234)
- b $720\ 072 = 72 + \dots\dots\dots$ (7200 or 72 or 720 000)
- c The value of the digit 8 in the number 528 635 is
(80 000 or 8 000 or 800)
- d 45 hundreds = (45 00 or 45 000 or 450)
- e 15 thousands + 9 ones + 3 hundreds + 8 tens =
(15 389 or 15 938 or 15 3 98)

Second Complete the following

- a Eighteen thousand and eighteen (Standard form) :
- b The smallest 6-digit number formed from the digits :
(5 , 2 and 7) is
- c The smallest 5-different digit number is
- d The place-value of the digit 6 in the number 54 632 is
- e $72\ 368 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

Third Answer the following

Complete using < , = or > :

- (a) $556\ 321$ $536\ 321$ (b) $811\ 003$ $811\ 003$
- (c) $9\ 602$ $9\ 062$ (d) $7\ 042$ $7\ 402$
- (e) 83 thousand + 3 ones + 6 tens 83 063
- (f) The smallest 5-digit number 9 999
- (g) $5 + 20 + 300 + 7\ 000 + 80\ 000$ 52 378

Arranging th numbers

The ascending order

From the **smallest** number to the **greatest** number

The descending order

From the **greatest** number to the **smallest** number

Arrange each group of the following numbers in an ascending order and in a descending order :

1 233 518 , 88 , , , ,

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

2 8 526 , 8 525 , 8 256 , 8 562 , 8 255

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

3 50 050 , 50 500 , 55 000 , 50 555 , 55 055

The ascending order :

..... , , , ,

The descending order :

..... , , , ,



HOMEWORK



Arrange each group of the following numbers in an ascending order and in a descending order :

1 45 368 , 21 789 , 98 102 , 78 023 , 62 039

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

2 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

3 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

4 700 064 , 700 406 , 700 604 , 700 046 , 700 460

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

5 5 023 , 9 120 , 5 320 , 9 012 , 7 002

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

6 166 451 , 166 154 , 166 541 , 166 415 , 166 145

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

7 15 501 , 15 105 , 15 015 , 15 150 , 15 510

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

8 40 050 , 40 005 , 45 000 , 40 500 , 40 550

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

9 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

First Choose the correct answer

- a 5 ones + 3 hundreds + 74 thousands + 8 tens =
(53 748 or 74 385 or 74 358)
- b Seventy five thousand and seventy five.
(7 575 or 75 750 or 75 075)
- c $500 + 0 + 0 + 3 = \dots\dots\dots$ (50 003 or 503 or 53)
- d 1000 hundreds = (100 000 or 1000 or 10)
- e Eighty five thousand and eight =
(85 080 or 8 508 or 85 008)

Second Complete the following

- a The place-value of the digit 7 in the number 662 078 is
- b The number comes right after 500 999.
- c 25 012 , 25 022 , 25 032 , , ,
- d The largest 5 - same - digit number is
- e 2 000 more than 21 900 is

Third Answer the following

- a Arrange the following numbers in an ascending order .

45 603 , 45 036 , 45 306 , 45 630 , 45 063

..... , , , ,

- b Arrange the following numbers in a descending order .

50 500 , 5 050 , 50 005 , 5 500 , 50 050

..... , , , ,

- c Write the smallest and the largest number formed from

(4 , 5 , 3 , 0 , 7 , 6)

The smallest number = The largest number =

d Complete using $<$, $=$ or $>$:

5 023 62 009

78 569 79 003

10 101 8 017

54 002 54 20

20 thousands + 8 hundreds 28 000

60 + 600 Sixty thousand and sixty

e Write the number shown on the Abacus :



STANDARD FORM

.....

SHORT WORD FORM

.....

WORD FORM

.....

EXPANDED FORM

..... thousands + hundreds + tens + ones

e Complete in the same pattern

57 020	56 020	55 020	.....
53 020	.....	.....	50 020
.....	48 020	.....	.....
.....	.....	43 020	.....

The pattern
..

LESSON 8

Addition

FIRST: Addition using the place-value strategy :

Example

To add : 3 567 + 1 521

$$\begin{array}{rclclclcl}
 3\ 567 & = & 3\ 000 & + & 500 & + & 60 & + & 7 \\
 1\ 521 & = & 1\ 000 & + & 500 & + & 20 & + & 1 \\
 \hline
 & & 4\ 000 & + & 1000 & + & 80 & + & 8 & = & 5\ 088
 \end{array}$$

Sum

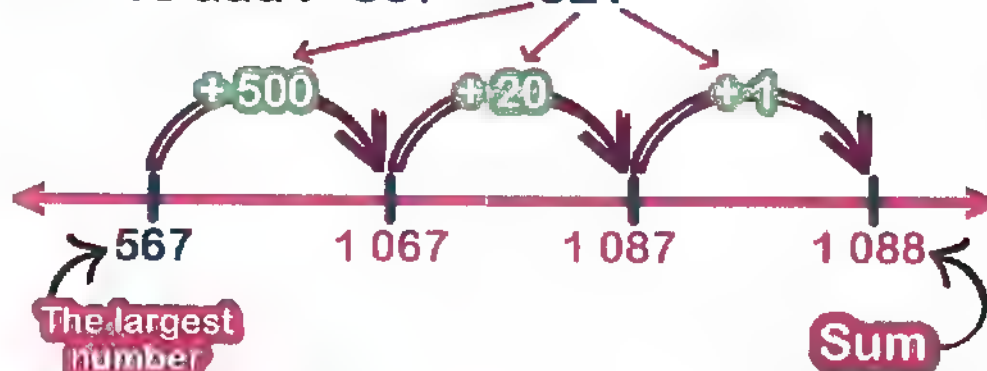
Solve the addition problems below using :
(The place-value strategy)

Problem	Work Space	Sum
567 + 321	$ \begin{array}{rclclclcl} & & + & & + & & & \\ & & + & & + & & & \\ \hline & & + & & + & & & \end{array} $	.....
6 237 + 1 582	$ \begin{array}{rclclclcl} & & + & & + & & + & \\ & & + & & + & & + & \\ \hline & & + & & + & & + & \end{array} $	.....
2 514 + 279	$ \begin{array}{rclclclcl} & & + & & + & & + & \\ & & & & + & & + & \\ \hline & & + & & + & & + & \end{array} $	.....

Second: Addition using the Number Line strategy :

Example

To add : $567 + 521$



Solve the addition problems below using :
(The number line strategy)

Problem	Work Space	Sum
$567 + 321$	← — — — →
$6\,237 + 1\,582$	← — — — — →
$2\,514 + 279$	← — — — →
$2\,481 + 503$	← — — — →






1 Solve the addition problems below using :
(**The place-value strategy**)

	Problem	Work Space	Sum
a	$253 + 124$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
b	$376 + 342$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
c	$128 + 439$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
d	$428 + 297$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....
e	$108 + 692$	<div>..... + ..... + .....</div> <div>..... + ..... + .....</div> <hr/> <div>..... + ..... + .....</div>	.....

	Problem	Work Space	Sum
f	5 125 + 3 753	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
g	6 287 + 1 521	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
h	2 458 + 3 451	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
i	6 666 + 2 314	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
j	7 357 + 242	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
k	6 824 + 257	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....

2 Solve the addition problems below using :
(The number line strategy)

	Problem	Work Space	Sum
a	$356 + 243$		.....
b	$147 + 237$		.....
c	$124 + 773$		.....
d	$257 + 212$		.....
e	$624 + 421$		.....

	Problem	Work Space	Sum
f	$3\,125 + 4\,234$		.....
g	$3\,561 + 2\,533$		.....
h	$4\,258 + 3\,124$		.....
i	$8\,124 + 325$		.....
j	$3\,587 + 413$		.....

3) Find the sum of each of the following :

a)
$$\begin{array}{r} 123 \\ + 245 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 325 \\ + \quad 6 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 4778 \\ + 1889 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 126 \\ + \quad 96 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 378 \\ + 281 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 999 \\ + \quad 1 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 676 \\ + 156 \\ + \quad 37 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 722 \\ + \quad 278 \\ + \quad 139 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 795 \\ + 6172 \\ + 1988 \\ \hline \end{array}$$

j) $265 + 73 = \dots\dots\dots$

k) $222 + 399 = \dots\dots\dots$

l) $499 + \quad 1 = \dots\dots\dots$

m) $3369 + 455 = \dots\dots\dots$

n) $4666 + 2254 = \dots\dots\dots$


o) $2456 + 2487 = \dots\dots\dots$



First Choose the correct answer

- a** The largest 6-different-digit number is
 (999 999 or 987 654 or 123 456)
- b** 850 thousand , 58 = (85 058 or 8 585 or 850 058)
- c** 50 000 comes right after (50 001 or 40 000 or 49 999)
- d** $250\,025 = 25 + \dots\dots\dots$ (250 000 or 250 or 2 500)
- e** The value of the digit 8 in the number 287 156 is
 (80 000 or 8 000 or 80)

Second Complete the following

- a** The smallest number formed from the digits (5 , 8 , 3 , 0 , 7 , 4)
 is
- b** 3 ones + 581 thousands + 8 tens = .
- c** The place-value of the digit 0 in the number 71 028 is
- d** The number that comes right after 99 999 is
- e**  , ,

Third Answer the following

- a** Find the result :
- ① $4\,568 + 512 = \dots\dots\dots$ ② $8\,002 + 1\,527 = \dots\dots\dots$
- ③ $800\,000 + 210 + 30\,000 = \dots\dots\dots$
- b** Order the following numbers in an ascending order .
 500 , 500 000 , 50 , 50 000 , 5 000
 , , , ,

- c** Add using the number line strategy :

($256 + 724 = \dots\dots\dots$) 

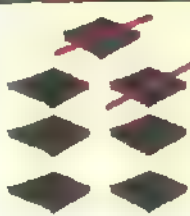


LESSON 9

Subtraction

FIRST: Subtraction using the place-value strategy :

Example

Subtract : $789 - 247$

Hundreds	Tens	Ones
		
5	4	2

Check

$$542 + 247$$

$$500 + 200 = 700$$

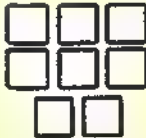

$$40 + 40 = 80$$

$$2 + 7 = 9$$

$$700 + 80 + 9 = 789$$

Solve the addition problems below using :

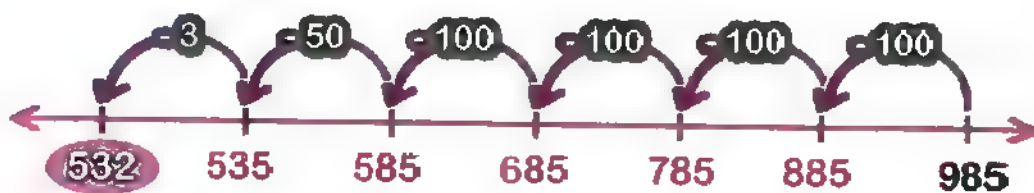
(The place-value strategy)

Subtraction Problems	Check
$854 - 523 =$  	$\dots\dots + \dots\dots = \dots\dots$
$780 - 450 =$	$\dots\dots + \dots\dots = \dots\dots$
$2550 - 1225 =$	$\dots\dots + \dots\dots = \dots\dots$

Second: Subtraction using the number line strategy :

Example

Subtract : $985 - 453$



Check

$$532 + 453 = 985$$

Solve the addition problems below using :
(The number line strategy)

Subtraction Problems	Check
$853 - 532 =$ 	
$7\,625 - 1\,213 =$ 	
$5\,328 - 416 =$ 	



HOMEWORK



- 1** Solve the addition problems below using :
(The place-value strategy)

Subtraction Problems	Check
a $756 - 125 = \dots\dots$ <div><div><div>□□□</div><div>□□□□</div></div><div><div>300</div><div>39</div></div><div><div>□□□</div><div>□□□</div></div></div>	$\dots\dots + \dots\dots = \dots\dots$
b $783 - 543 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
c $527 - 514 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
d $7\,458 - 536 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
e $4\,892 - 951 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$

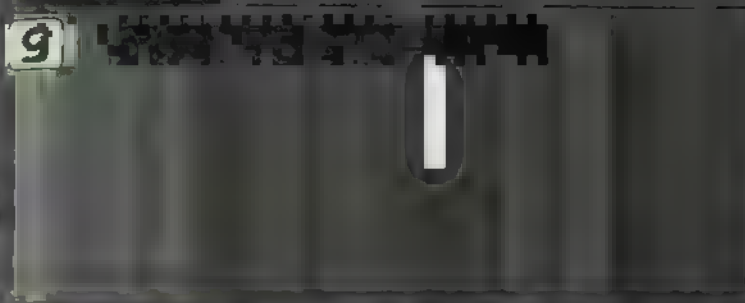
Subtraction Problems

f



$$\dots + \dots = \dots$$

g



$$\dots + \dots = \dots$$

h

$$3\,158 - 2\,065 = \dots$$

$$\dots + \dots = \dots$$

i

$$4\,321 - 301 = \dots$$

$$\dots + \dots = \dots$$

j

$$3\,500 - 240 = \dots$$






$$\dots + \dots = \dots$$

k

$$9\,105 - 550 = \dots$$

$$\dots + \dots = \dots$$

- 2 Solve the addition problems below using :
(The number line strategy)

Subtraction Problems	Check
a $753 - 241 =$ 	
b $856 - 215 =$ 	
c $777 - 253 =$ 	
d $654 - 129 =$ 	
e $654 - 294 =$ 	

Subtraction Problems

g $9\,529 - 283 =$



h $8\,547 - 3\,421 =$



i $6\,542 - 2\,217 =$



j $7\,000 - 1\,423 =$



3 Subtract:

a
$$\begin{array}{r} 753 \\ - 245 \\ \hline \end{array}$$

b
$$\begin{array}{r} 456 \\ - 321 \\ \hline \end{array}$$

c
$$\begin{array}{r} 4978 \\ - 1889 \\ \hline \end{array}$$

d
$$\begin{array}{r} 218 \\ - \quad 5 \\ \hline \end{array}$$

e
$$\begin{array}{r} 778 \\ - 281 \\ \hline \end{array}$$

f
$$\begin{array}{r} 4997 \\ - \quad 448 \\ \hline \end{array}$$

g
$$\begin{array}{r} 705 \\ - \quad 78 \\ \hline \end{array}$$

h
$$\begin{array}{r} 1000 \\ - \quad \quad 1 \\ \hline \end{array}$$

i
$$\begin{array}{r} 2708 \\ - 1378 \\ \hline \end{array}$$

j $265 - 73 = \dots$

k $622 - 399 = \dots$

l $491 - 9 = \dots$

m $3369 - 455 = \dots$

n $4656 - 2264 = \dots$

o $3086 - 2457 = \dots$



Sheet 9

First Choose the correct answer

- a** Nine hundred thousand, ninety nine =
(999 000 or 900 990 or 900 099)
- b** The value of the digit 5 in the number 259 024 is
(50 000 or 500 000 or 5 000)
- c** $800 + 200\,000 + 60 + 30\,000 + 7 + 9\,000 =$
(826 379 or 239 867 or 237 896)
- d** The number that comes right after 80 999 is
(81 000 or 90 999 or 80 100)
- e** The smallest 5-diferent-digit number is
(12345 or 98 765 or 10 234)

Second Complete the following

- a** 78 thousands + 8 hundreds + 5 ones + 7 tens =
- b** The largest 6-digit - number is
- c** $800\,254 = 254 +$
- d** The place value of the digit 8 in the number 53 087 is
- e** $\triangle \square$, $\triangle \square$, ,

Third Answer the following

Use the number line strategy to find :

- a** $459 + 262 =$



- b** $4\,562 - 2\,225 =$



LESSON 10

Word problems on
addition and subtraction

- 1** The following table shows borrowing books from the library during the month of September.

Grade	P1	P2	P3	P4	P5
Books Borrowed	435	317	278	107	239

Answer the following questions :

- a** How many books did students borrow from P1 and P2 grades together?
-
-
- b** How many books did students borrow from P3 , P4 and P5 grades together?
-
-
- c** How many more books have students borrowed from P5 grade than P4 grade?
-
-
- d** Which class borrowed the largest number of books?
-
-

- 2** Amirs' family is saving to buy a new TV. The TV costs 4 590 LE on sale. They have saved 2 410 LE so far.
How much more money do they need to buy the TV?
-
-

- 3** Omar just moved to the city. He found an apartment to rent for 3,340 LE per month. Electricity and gas will cost him 692 LE per month.
How much money will it cost him each month to live?
-
-

If Omar had 5,000 LE to spend each month,
how much money does he have left after he pays for rent,
electricity and gas?

.....

.....

- 4** Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?
-
-

HOMEWORK

- 1** The table below shows the number of students in each grade in a school . Use this information to answer the questions below.

Grade	P1	P2	P3	P4	P5
Number of students	354	371	478	203	139

Answer the following questions :

- a** How many students are P1 and P4 all together?

.....

.....

- b** How many students are in P3 and P4 all together?

.....

.....

- c** How many more students in the P3 grade than in the P2 grade?

.....

.....

- d** What is the class with the largest number of students?

.....

.....

- e** Which class has the fewest students?

.....

.....

- 2** The following table shows the length of some of the worlds' longest rivers.
Use the information to answer the questions below.

River	Approximate length in Km
Nile	About 6 650 km
Amazon	About 6 400 km
Mississippi	About 3 775 km
Euphrates	About 2 800 km

- a** What is the longest river?
.....
- b** What is the shortest river?
.....
- c** What is the total length of the Mississippi River and the Amazon river together?
.....
.....
- d** What is the total length of the Euphrates River and the Nile river together?
.....
.....
- e** How many more kilometers is the Nile than the Euphrates?
.....
.....

3 Read each story problem and decide on a strategy to solve it.

- a** Amir's family is saving to buy a new TV. The TV costs 5 940 LE on sale. They have saved 4 210 LE so far.
How much more money do they need to buy the TV?
-
-

- b** Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?
-
-

- c** Mr. Mahmoud also raises sheep. One day he took 235 sheep out to graze on a hill.
Later, his neighbor brought his sheep to the hillside to graze. Now there are 680 sheep on the hill.
How many sheep did the neighbor bring to the hillside?
-
-

- d** The library can hold 2,475 books, but 525 books are out on loan and 137 books are missing.
How many books are there in the library right now?
-
-

- e** Omar just moved to the city. He found an apartment to rent for 3,340 LE per month. Electricity and gas will cost him 692 LE per month.

How much money will it cost him each month to live?

.....

.....

If Omar had 5,000 LE to spend each month, how much money does he have left after he pays for rent, electricity and gas?

.....

.....

- f** Three boxes filled with books were just delivered to the library. If each box is filled with 215 books, how many books were delivered?

.....

.....

- g** A number has 5 Thousands, 7 Hundreds, 6 Tens, and 4 Ones. What number is it?

.....

- h** A number has 12 Hundreds, 15 Tens, and 6 ones. What number is it?

.....

4 Complete the following :

- 1) Twenty five thousand,six hundred and eleven =
(Standard form)
- 2) 700 618 (Word form) :
- 3) $700\ 000 + 70\ 000 + 5\ 000 + 800 + 50 + 3 = \dots$
- 4) 98 thousand + 6 ones + 5 tens + 7 hundreds =
- 5) $70 + 0 + 0 + 4 = \dots$
- 6) $7\ 856 = \dots + \dots + \dots + \dots$
- 7) $552\ 159 = \dots \text{ tens} + \dots \text{ thousands} + \dots \text{ ones} + \dots \text{ hundreds}$
- 8) The number that comes right after 36 299 is
- 9) The number 700 250 comes right after
- 10) The number comes right after 899 999.
- 11) The number that comes right before 75 000 is
- 12) The number 3 156 comes right before
- 13) The number comes right before 15 200.
- 14) The place value of the digit 5 in the number 224 569
is
- 15) The place value of the digit 7 in the number 789 895
is
- 16) The value of the digit 7 in the number 79 159 is
- 17) The value of the digit 2 in the number 8 128 is
- 18) The largest 5-digit number is
- 19) The smallest 6-digit number is
- 20) The largest and the smallest number formed from the
digits (7 , 2 , 0 , 6 and 3) are and

5 Choose the correct answer :

- 1) Seventy thousand and seventy =
(70 070 or 70 017 or 77 000)
- 2) $5 + 20 + 400 + 7\,000 = \dots\dots\dots$ (5 247 or 70 425 or 7 425)
- 3) 70 100 comes right after (79 999 or 70 099 or 70 101)
- 4)comes right before 2 000 (1 999 or 2 001 or 1 099)
- 5) 20 thousand + 75 tens = (2 075 or 20 075 or 20 750)
- 6) 600 hundreds = (60 000 or 6 000 or 600 000)
- 7) 8 000 tens =hundreds (800 or 8 000 or 80 000)
- 8) 30 000 =hundreds (30 or 300 or 3 000)
- 9) The largest 5 - different - digit number is
(98 765 or 99 999 or 10 234)
- 10) The smallest 6 - different - digit number is
(100 000 or 123 456 or 10 2345)
- 11) The largest 5 - same - digit number is
(99 999 or 98 756 or 9 999)
- 12) The smallest 4 - same - digit number is
(1 000 or 11 111 or 1 111)
- 13) The value of the digit 3 in the numbr 5 389 is
(3 000 or 300 or 30)
- 14) The value of the digit 8 in the number 877 624 is
(800 000 or 8 000 or 800)
- 15) The place-value of the digit 9 in the number 9 247 is
(Hundreds or Thousands or Ten-thousands)
- 16) The place-value of the digit 2 in the number 523 560 is
(Hundreds or Thousands or Ten-thousands)

6 Use the following digits to find : (3 , 5 , 0 , 4 , 7)

The largest number :

The smallest number :

7 Use the following digits to find : (8 , 5 , 4)

The largest 6-digit number :

The smallest 6-digit number :

8 Complete using < , = or > :

25 5 458 667 102 45 000 + 45 45 450

15 5 258 155 528 20 hundreds 2 000

50 502 50 205 3 + 500 + 2000 3 520

45 thousands + 5 hundreds + 31 tens 45 810

The smallest 5-different-digit number 12 345

Ninety thousand and nine 900 009

9 Match:

30 thousands + 24 hundreds

3 000 + 200 + 40

30 000 + 24

Three thousand and twenty four

320 thousand , 40

3 240

3 024

32 400

320 040

30 024



First Choose the correct answer

- a** The smallest 6-different -digit number is =
(100 000 or 123456 or 102345)
- b** Three hundred three thousand , three hundred and three
=
(303 303 or 300 033 or 330 303)
- c** the value of the digit 0 in the number 350 567 is
(10 000 or 1000 or 0)
- d** the number that comes right after 209 999 is
(300 000 or 209 998 or 210 000)
- e** 25 thousands + 6 ones + 7 hundreds + 9 tens =
(25 679 or 25 796 or 25 769)

Second Complete the following

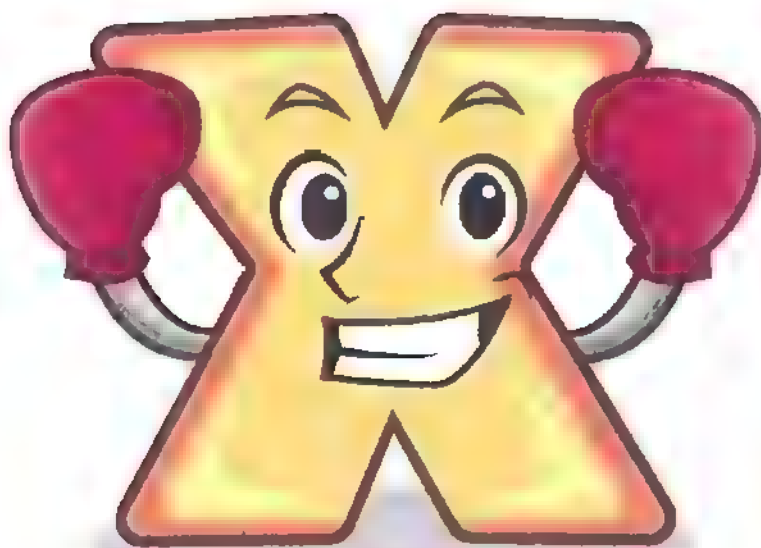
- a** The greatest 6-digit number formed from the digits
(3 , 5 and 7) is =
- b** $250\ 250 = 250 + \dots\dots\dots$
- c** The place value of 0 in the number 405 612 is
- d** 8 tens + 502 thousands + 7 ones + 2 hundreds =
- e** , , ,

Third Answer the following

- a** Find the result :
(1) $456 + 643 = \dots\dots\dots$ (2) $4\ 020 - 129 = \dots\dots\dots$
- b** Arrange the following numbers in an ascending order .
10 000 , 999 , 50 000 , 200 , 6 000
..... , , , ,
- c** Mona has LE 545 and Nada has LE 235 .
How much money do they have altogether ?
The have = + = LE

CHAPTER

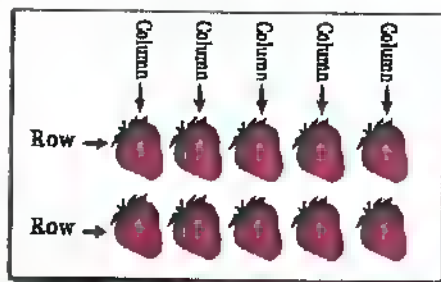
THREE



MULTIPLICATION

The Arrays

Example



2

Rows

$$5 + 5 = 10$$

5

Columns

$$2 + 2 + 2 + 2 + 2 = 10$$

This is 5 **X** 2 array

This is 2 **X** 5 array

Times

1 Complete the following arrays

a



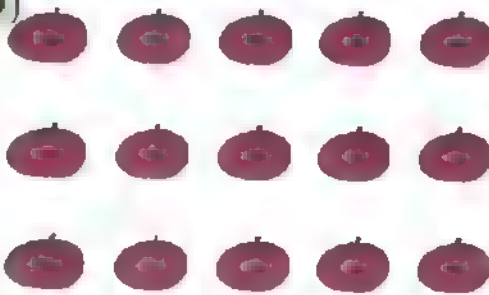
... Rows : =

This is **X** array

... Columns : =

This is **X** array

b



... Rows : =

This is **X** array

... Columns : =

This is **X** array

c



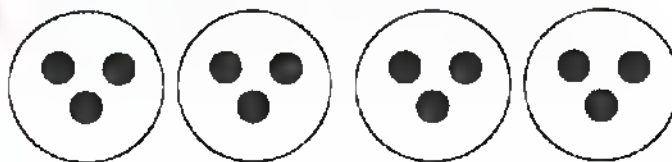
... Rows : =

This is **X** array

... Columns : =

This is **X** array

Example

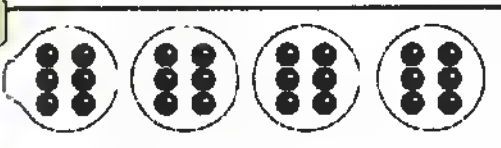


Repeated addition : $3 + 3 + 3 + 3 = 12$

Multiplication : $3 \times 4 = 12$

2 Complete as in the example :

a



Repeated addition : $\dots + \dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

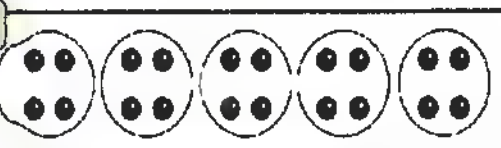
b



Repeated addition : $\dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

c



Repeated addition : $\dots + \dots + \dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

3 Complete as in the example :

EX $5 + 5 + 5 + 5 + 5 + 5 = 30$ so, $5 \times 6 = 30$ and $6 \times 5 = 30$

a $3 + 3 + 3 + 3 + 3 + 3 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

b $4 + 4 + 4 + 4 + 4 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

c $6 + 6 + 6 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

d $2 + 2 + 2 + 2 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

e $7 \times 4 = \dots + \dots + \dots + \dots + \dots + \dots + \dots$

f $7 \times 4 = \dots + \dots + \dots + \dots$

g $5 \times 8 = \dots + \dots + \dots + \dots + \dots$

h $3 \times 6 = \dots + \dots + \dots + \dots + \dots + \dots$

1 Complete the following arrays

a



... Rows : =

This is X array

... Columns : =

This is X array

b



... Rows : =

This is X array

... Columns : =

This is X array

c



... Rows : =

This is X array

... Columns : =

This is X array

d



... Rows : =

This is X array

... Columns : =

This is X array

e



... Rows : =

This is X array

... Columns : =

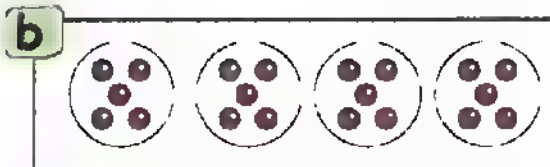
This is X array

2 Complete :



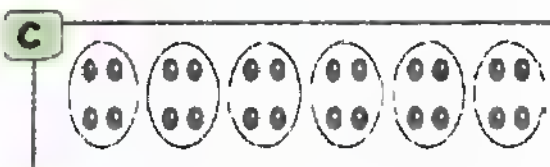
Repeated addition : + + =

Multiplication : X =



Repeated addition : + + + =

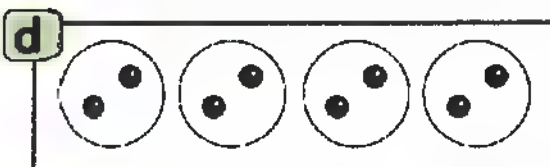
Multiplication : X =



Repeated addition :

..... =

Multiplication : X =



Repeated addition :

..... =

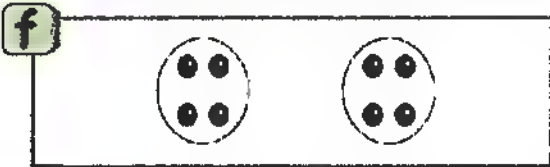
Multiplication : X =



Repeated addition :

..... =

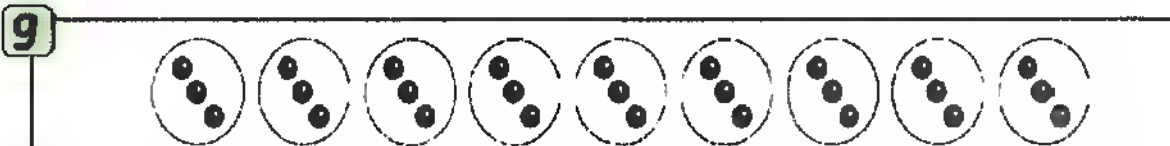
Multiplication : X =



Repeated addition :

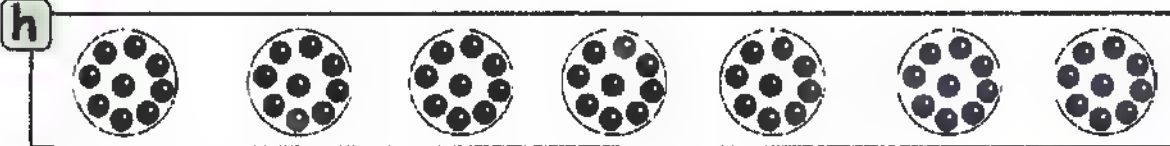
..... =

Multiplication : X =



Repeated addition : =

Multiplication : X =



Repeated addition : =

Multiplication : X =

3 Complete :

a $5 + 5 + 5 + 5 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

b $4 + 4 + 4 + 4 + 4 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

c $6 + 6 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

d $2 + 2 + 2 + 2 + 2 + 2 = \dots\dots$
so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

e $3 + 3 + 3 + 3 + 3 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

f $5 + 5 + 5 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

g $1 + 1 + 1 + 1 + 1 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

h $7 + 7 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

i $8 + 8 + 8 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

j $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = \dots\dots$
so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

k $5 \times 4 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

l $6 \times 2 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

m $8 \times 3 = \dots\dots + \dots\dots + \dots\dots$

n $6 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

o $6 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

p $4 \times 7 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

q $4 \times 7 = \dots\dots + \dots\dots + \dots\dots + \dots\dots$

r $5 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

First Choose the correct answer

- a The value of the digit 4 in the number 524 368 =
(4 000 or 40 000 or 400)
- b $6 + 6 + 6 + 6 = \dots\dots\dots$ (6×6 or 6×4 or $6 + 4$)
- c $500 + 0 + 0 + 5 = \dots\dots\dots$ (500 005 or 50 005 or 505)
- d $3 \times 4 = \dots\dots\dots$ ($3 + 3 + 3$ or $4 + 4 + 4$ or $3 + 4$)
- e The number that comes right before 301 000 is
(300 000 or 301 001 or 300 999)

Second Complete the following

- a 15 tens + 120 hundreds =
- b $7 \times 3 = \dots + \dots + \dots$
- c $4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots\dots\dots$
- d The smallest 5 - different - digit numberr is
2, 4, 6, 8, 10,,,,

Third Answer the following

- a Find the result :
(1) $456 + 218 = \dots\dots\dots$ (2) $4\,208 - 258 = \dots\dots\dots$
-
- b Arrange the following numbers in a descending order .
45 125 , 45 021 , 45 521 , 45 012 , 45 512
..... , , , ,
-
- c The school band is getting ready for a concert. They practiced 115 minutes on Monday and 125 minutes on Tuesday.
How many minutes did the band practice on both days?
.....

1 USE THE 120 CHART

Color the multiples of 2 and the multiples of 3 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 2 :

.....

b List the first 10 multiples of 3 :

.....

c List all of the multiples you found that 2 and 3 share :

.....

2 Complete the following :

a		b	
2 X 0 =	2 X 6 =	3 X 0 =	3 X 6 =
2 X 1 =	2 X 7 =	3 X 1 =	3 X 7 =
2 X 2 =	2 X 8 =	3 X 2 =	3 X 8 =
2 X 3 =	2 X 9 =	3 X 3 =	3 X 9 =
2 X 4 =	2 X 10 =	3 X 4 =	3 X 10 =
2 X 5 =		3 X 5 =	

3 Complete the following :

a 2 X 8 <hr/>	b 2 X 5 <hr/>	c 3 X 7 <hr/>	d 3 X 9 <hr/>
e 6 X 2 <hr/>	f 9 X 2 <hr/>	g 4 X 3 <hr/>	h 5 X 3 <hr/>

4 Complete the following :

a 2 X = 12	b 4 X = 12	c 7 X = 21
d X 9 = 18	e x 7 = 14	f X 3 = 9
g 9 + 9 = ... X ... =	h 8 + 8 + 8 = ... X ... =	
i 7 + 7 + 7 = ... X ... =	j 10 + 10 = ... X ... =	
k 24 = ... + ... + ... = ... X ...	l 18 = ... + ... = ... X ...	



1 Complete the multiplication table:

$2 \times 0 = \dots\dots$	$2 \times 1 = \dots\dots$	$3 \times 0 = \dots\dots$	$3 \times 1 = \dots\dots$
$2 \times 1 = \dots\dots$	$2 \times 3 = \dots\dots$	$3 \times 1 = \dots\dots$	$3 \times 3 = \dots\dots$
$2 \times 2 = \dots\dots$	$2 \times 5 = \dots\dots$	$3 \times 2 = \dots\dots$	$3 \times 5 = \dots\dots$
$2 \times 3 = \dots\dots$	$2 \times 7 = \dots\dots$	$3 \times 3 = \dots\dots$	$3 \times 7 = \dots\dots$
$2 \times 4 = \dots\dots$	$2 \times 9 = \dots\dots$	$3 \times 4 = \dots\dots$	$3 \times 9 = \dots\dots$
$2 \times 5 = \dots\dots$	$2 \times 10 = \dots\dots$	$3 \times 5 = \dots\dots$	$3 \times 10 = \dots\dots$
$2 \times 6 = \dots\dots$	$2 \times 8 = \dots\dots$	$3 \times 6 = \dots\dots$	$3 \times 8 = \dots\dots$
$2 \times 7 = \dots\dots$	$2 \times 6 = \dots\dots$	$3 \times 7 = \dots\dots$	$3 \times 6 = \dots\dots$
$2 \times 8 = \dots\dots$	$2 \times 4 = \dots\dots$	$3 \times 8 = \dots\dots$	$3 \times 4 = \dots\dots$
$2 \times 9 = \dots\dots$	$2 \times 2 = \dots\dots$	$3 \times 9 = \dots\dots$	$3 \times 2 = \dots\dots$
$2 \times 10 = \dots\dots$	$2 \times 0 = \dots\dots$	$3 \times 10 = \dots\dots$	$3 \times 0 = \dots\dots$

2 Complete:

$2 \times \dots = 2$	$2 \times \dots = 0$	$3 \times \dots = 3$	$3 \times \dots = 0$
$2 \times \dots = 20$	$2 \times \dots = 8$	$3 \times \dots = 21$	$3 \times \dots = 9$
$2 \times \dots = 4$	$2 \times \dots = 16$	$3 \times \dots = 6$	$3 \times \dots = 18$
$2 \times \dots = 18$	$2 \times \dots = 2$	$3 \times \dots = 30$	$3 \times \dots = 27$
$2 \times \dots = 6$	$2 \times \dots = 10$	$3 \times \dots = 9$	$3 \times \dots = 3$
$2 \times \dots = 16$	$2 \times \dots = 18$	$3 \times \dots = 27$	$3 \times \dots = 12$
$2 \times \dots = 8$	$2 \times \dots = 4$	$3 \times \dots = 12$	$3 \times \dots = 21$
$2 \times \dots = 14$	$2 \times \dots = 12$	$3 \times \dots = 24$	$3 \times \dots = 30$
$2 \times \dots = 10$	$2 \times \dots = 20$	$3 \times \dots = 15$	$3 \times \dots = 6$
$2 \times \dots = 0$	$2 \times \dots = 6$	$3 \times \dots = 0$	$3 \times \dots = 15$
$2 \times \dots = 12$	$2 \times \dots = 14$	$3 \times \dots = 18$	$3 \times \dots = 24$

3 Complete:

$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$

4 Match:

$$2 \times 0$$

$$2 \times 3$$

$$2 \times 6$$

$$2 \times 9$$

$$3 \times 2$$

$$3 \times 6$$

$$3 \times 0$$

$$3 \times 4$$

5 Complete:

a $5 + 5 = \dots$ $\times \dots = \dots$ e $4 + 4 + 4 = \dots$ $\times \dots = \dots$

b $6 + 6 = \dots$ $\times \dots = \dots$ f $7 + 7 + 7 = \dots$ $\times \dots = \dots$

c $8 + 8 = \dots$ $\times \dots = \dots$ g $9 + 9 + 9 = \dots$ $\times \dots = \dots$

d $3 + 3 = \dots$ $\times \dots = \dots$ h $2 + 2 + 2 = \dots$ $\times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 2 :

.....

b List the first 20 multiples of 3 :

.....

c List the common multiples of 2 and 3

.....

7 Choose the correct answer :

a $3 + 3 + 3 + 3 = \dots\dots\dots$ (3×3 or 4×4 or 2×6)

b $6 + 6 = \dots\dots\dots$ (6×6 or 3×4 or 2×2)

c $5 + 5 + 5 + 5 = \dots\dots\dots$ (5×4 or $5 + 4$ or 5×5)

d $8 + 8 + 8 = \dots\dots\dots$ ($3 + 8$ or $12 + 12$ or 8×8)

e $4 \times 4 = \dots\dots\dots$ ($8 + 8$ or 4×6 or 6×6)

f $4 + 6 = \dots\dots\dots$ ($2 + 5$ or 10×2 or 2×5)

g $4 \times 2 = \dots\dots\dots$ (4×4 or $4 + 4$ or $2 + 2$)

h $9 + 9 = \dots\dots\dots$ ($3 \times 3 \times 3$ or $6 + 6$ or 6×3)

First Choose the correct answer

- a** Two hundred thousand , two hundred and twenty =
(200 020 or 2 220 or 200 220)
- b** $2 + 2 + 2 + 2 + 2 + 2 = \dots$ (2×5 or 3×4 or $2 + 6$)
- c** 500 hundreds = tens (5 000 or 50 000 or 500 000)
- d** $8 \times 2 = \dots$ ($8 + 2$ or $8 + 8$ or $4 + 4$)
- e** The number that comes right after 200 999 is
(300 999 or 201 000 or 201 999)

Second Complete the following

- a** The smallest 5-different- digit number is
- b** $8 + 8 + 8 = 8 \times \dots = \dots$
- c** $4 \times 3 = \dots + \dots = \dots$
- d** The place value of the digit 3 in the number 356 202 is
- e** 405 hundreds + 120 tens + 3 ones =

Third Answer the following

- a** Use the number line strategy to find

(1) $432 + 145 = \dots$ 

(2) $428 - 215 = \dots$ 

- b** Arrange the following numbers in an ascending order .

180 000 , 108 000 , 810 000 , 801 000 , 118 000

..... , , , ,

- c** list the first 5 multiples of the number 3 :

.....

LESSON 3

The Multiplication table (4 & 5)

1 USE THE 120 CHART

Color the multiples of 4 and the multiples of 5 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 4 :

..... , , , ,
 , , , ,

b List the first 10 multiples of 5 :

..... , , , ,
 , , , ,

c List all of the multiples you found that 4 and 5 share :

.....

2 Complete the following :

a		b	
4 X 0 =	4 X 6 =	5 X 0 =	5 X 6 =
4 X 1 =	4 X 7 =	5 X 1 =	5 X 7 =
4 X 2 =	4 X 8 =	5 X 2 =	5 X 8 =
4 X 3 =	4 X 9 =	5 X 3 =	5 X 9 =
4 X 4 =	4 X 10 =	5 X 4 =	5 X 10 =
4 X 5 =		5 X 5 =	

3 Complete the following :

a 5 X 8 <hr/>	b 5 X 5 <hr/>	c 4 X 7 <hr/>	d 4 X 9 <hr/>
e 6 X 5 <hr/>	f 9 X 5 <hr/>	g 4 X 4 <hr/>	h 4 X 5 <hr/>

4 Complete the following :

a 5 X = 40	b 4 X = 40	c 8 X = 32
d X 6 = 24	e x 7 = 35	f X 9 = 36
g 5 + 5 = X =	h 4 + 4 + 4 = X =	
i 1 + 1 + 1 + 1 = ... X ... =	j 8 + 8 + 8 = 4 X =	
k 30 = + + = 5 X	l 28 = ... + ... + ... + ... = X	



1 Complete the multiplication table:

4 X 0 =	4 X 1 =	5 X 0 =	5 X 1 =
4 X 1 =	4 X 3 =	5 X 1 =	5 X 3 =
4 X 2 =	4 X 5 =	5 X 2 =	5 X 5 =
4 X 3 =	4 X 7 =	5 X 3 =	5 X 7 =
4 X 4 =	4 X 9 =	5 X 4 =	5 X 9 =
4 X 5 =	4 X 10 =	5 X 5 =	5 X 10 =
4 X 6 =	4 X 8 =	5 X 6 =	5 X 8 =
4 X 7 =	4 X 6 =	5 X 7 =	5 X 6 =
4 X 8 =	4 X 4 =	5 X 8 =	5 X 4 =
4 X 9 =	4 X 2 =	5 X 9 =	5 X 2 =
4 X 10 =	4 X 0 =	5 X 10 =	5 X 0 =

2 Complete:

4 X = 2	4 X = 0	5 X = 3	5 X = 0
4 X = 20	4 X = 8	5 X = 21	5 X = 9
4 X = 4	4 X = 16	5 X = 6	5 X = 18
4 X = 18	4 X = 2	5 X = 30	5 X = 27
4 X = 6	4 X = 10	5 X = 9	5 X = 3
4 X = 16	4 X = 18	5 X = 27	5 X = 12
4 X = 8	4 X = 4	5 X = 12	5 X = 21
4 X = 14	4 X = 12	5 X = 24	5 X = 30
4 X = 10	4 X = 20	5 X = 15	5 X = 6
4 X = 0	4 X = 6	5 X = 0	5 X = 15
4 X = 12	4 X = 14	5 X = 18	5 X = 24

3 Complete:

$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} \dots \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 20 \end{array}$	$\begin{array}{r} \dots \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 35 \end{array}$
$\begin{array}{r} 5 \\ \times \dots \\ \hline 15 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 40 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 45 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 28 \end{array}$	$\begin{array}{r} \dots \\ \times 5 \\ \hline 0 \end{array}$

4 Match :

$$4 + 4 + 4 + 4$$

$$8 + 8 + 8$$

$$6 + 6 + 6$$

$$10 + 10 + 10$$

$$9 + 9$$

$$2 \times 8$$

$$5 \times 6$$

$$4 \times 6$$

5 Complete :

a $4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$

b $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$

c $5 \times 6 = \dots + \dots + \dots = \dots$

d $3 \times 4 = \dots + \dots = \dots$

e $8 + 8 + 8 + 8 + 8 = 4 \times \dots = \dots$

f $4 + 4 + 4 + 4 = 2 \times \dots = \dots$

g $5 \times 4 = 2 \times \dots = \dots$

h $4 \times 6 = 3 \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 4 :

.....,,,,,,,,,,
,,,,,,,,,

b List the first 20 multiples of 5 :

.....,,,,,,,,,,
,,,,,,,,,

c List the common multiples of 4 and 5 up to 50 :

.....

d List the common multiple of 2 , 3 and 4 up to 40 :

.....

7 Choose the correct answer :

a $5 + 5 + 5 + 5 = \dots\dots$ (5×5 or 4×4 or 5×4)

b $8 + 8 + 8 = \dots\dots$ (8×3 or $8 + 3$ or 8×8)

c $6 + 6 + 6 + 6 = \dots\dots$ (6×4 or 6×6 or $6 + 4$)

d $8 \times 2 = \dots\dots$ ($8 + 2$ or $8 + 8$ or 8×8)

e $9 + 9 = \dots\dots$ (9×9 or 9×2 or 6×3)

f $6 + 6 = \dots\dots$ (6×2 or 6×6 or $6 + 2$)

g $4 \times 4 = \dots\dots$ (8×2 or 1×6 or 3×5)

h 2×5 3×3 ($<$ or $=$ or $>$)

i $5 + 5 + 5$ 4×4 ($<$ or $=$ or $>$)

j $8 + 8 + 8$ 6×4 ($<$ or $=$ or $>$)

k $9 + 9 + 9$ 7×4 ($<$ or $=$ or $>$)

l $5 \times 6 = 3 \times \dots\dots$ (5 or 10 or 6)

m $8 + 8 + 8 + 8 + 8 = 4 \times \dots\dots$ (8 or 5 or 10)

n $6 + 6 + 6 + 6 = 3 \times \dots\dots$ (8 or 6 or 4)



First Choose the correct answer

- a** The smallest 5-digit-number formed from the digits (2 and 5)
is (22 225 or 20 005 or 22 255)
- b** $8 \times 5 = \dots\dots\dots$ (5 + 8 or 4×10 or $40 + 40$)
- c** $6 + 6 + 6 = \dots\dots\dots$ (6 + 3 or 6×6 or 9×2)
- d** The number that comes right after 49 099 is
(50 000 or 49 100 or 50 100)
- e** $3 \times 8 = \dots\dots\dots$ (3 + 3 + 3 or $8 + 8 + 8 + 8$ or $6 + 6 + 6 + 6$)

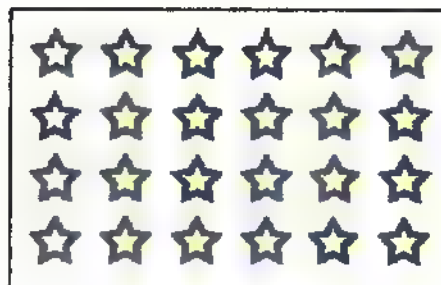
Second Complete the following

- a** 700 tens + 500 hundreds + 200 ones =
- b** The place-value of the digit 5 in the number 824 568 is
- c** $2 + 2 + 2 + 2 + 2 + 2 = 4 \times \dots\dots\dots$
- d** $5 \times 8 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- e** $200\,000 + 5\,000 + 20 = \dots\dots\dots$

Third Answer the following

- a** Find the result :
(1) $8\,532 + 143 = \dots\dots\dots$ (2) $8\,562 - 157 = \dots\dots\dots$

- b** In the opposite array :
The number of rows =
The number of columns =
so, \times =



- c** The sum of two numbers is 275. One of the numbers is 149.
What is the other number?

LESSON 4

The Multiplication table (6 & 7)

1 USE THE 120 CHART

Color the multiples of 6 and the multiples of 7 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 6 :

..... , , , ,

..... , , , ,

b List the first 10 multiples of 7 :

..... , , , ,

..... , , , ,

c List the common multiples of 4 and 6 up to 60 :

.....

.....

2 Complete the following :

a

$6 \times 0 = \dots\dots$	$6 \times 6 = \dots\dots$
$6 \times 1 = \dots\dots$	$6 \times 7 = \dots\dots$
$6 \times 2 = \dots\dots$	$6 \times 8 = \dots\dots$
$6 \times 3 = \dots\dots$	$6 \times 9 = \dots\dots$
$6 \times 4 = \dots\dots$	$6 \times 10 = \dots\dots$
$6 \times 5 = \dots\dots$	

b

$7 \times 0 = \dots\dots$	$7 \times 6 = \dots\dots$
$7 \times 1 = \dots\dots$	$7 \times 7 = \dots\dots$
$7 \times 2 = \dots\dots$	$7 \times 8 = \dots\dots$
$7 \times 3 = \dots\dots$	$7 \times 9 = \dots\dots$
$7 \times 4 = \dots\dots$	$7 \times 10 = \dots\dots$
$7 \times 5 = \dots\dots$	

3 Complete the following :

$\begin{array}{r} 7 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 6 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 6 \\ \times \dots \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 49 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 18 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 14 \end{array}$
$\begin{array}{r} 6 \\ \times \dots \\ \hline 30 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 21 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 35 \end{array}$

4 Complete in the same pattern :

a 0, 2, 4, 6, 8,,,,,

b 0, 4, 8, 12, 16,,,,,

c 0, 6, 12, 18, 24,,,,,

d 0, 7, 14, 21, 28,,,,,

5 Complete :

a $7 + 7 + 7 + 7 = \dots \times \dots = \dots$

b $8 + 8 + 8 + 8 + 8 + 8 = \dots \times \dots = \dots$

c $8 \times 7 = 7 \times \dots = \dots$

d $9 + 9 + 9 + 9 = \dots \times 6 = \dots$

e $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 8 \times \dots = \dots$

6 Mr. Sameh gave 4 lollipops to each of his 8 students.
How many lollipops did Mr. Sameh have at first?



$\dots \times \dots = \dots$

7 How many eggs are there in the opposit carton?

$\dots \times \dots = \dots$




1 Complete the multiplication table:

$6 \times 0 = \dots\dots$	$6 \times 1 = \dots\dots$	$7 \times 0 = \dots\dots$	$7 \times 1 = \dots\dots$
$6 \times 1 = \dots\dots$	$6 \times 3 = \dots\dots$	$7 \times 1 = \dots\dots$	$7 \times 3 = \dots\dots$
$6 \times 2 = \dots\dots$	$6 \times 5 = \dots\dots$	$7 \times 2 = \dots\dots$	$7 \times 5 = \dots\dots$
$6 \times 3 = \dots\dots$	$6 \times 7 = \dots\dots$	$7 \times 3 = \dots\dots$	$7 \times 7 = \dots\dots$
$6 \times 4 = \dots\dots$	$6 \times 9 = \dots\dots$	$7 \times 4 = \dots\dots$	$7 \times 9 = \dots\dots$
$6 \times 5 = \dots\dots$	$6 \times 10 = \dots\dots$	$7 \times 5 = \dots\dots$	$7 \times 10 = \dots\dots$
$6 \times 6 = \dots\dots$	$6 \times 8 = \dots\dots$	$7 \times 6 = \dots\dots$	$7 \times 8 = \dots\dots$
$6 \times 7 = \dots\dots$	$6 \times 6 = \dots\dots$	$7 \times 7 = \dots\dots$	$7 \times 6 = \dots\dots$
$6 \times 8 = \dots\dots$	$6 \times 4 = \dots\dots$	$7 \times 8 = \dots\dots$	$7 \times 4 = \dots\dots$
$6 \times 9 = \dots\dots$	$6 \times 2 = \dots\dots$	$7 \times 9 = \dots\dots$	$7 \times 2 = \dots\dots$
$6 \times 10 = \dots\dots$	$6 \times 0 = \dots\dots$	$7 \times 10 = \dots\dots$	$7 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots = 6$	$0 \times \dots = 0$	$6 \times \dots = 6$	$7 \times \dots = 14$
$3 \times \dots = 18$	$1 \times \dots = 7$	$6 \times \dots = 18$	$7 \times \dots = 28$
$5 \times \dots = 30$	$2 \times \dots = 12$	$6 \times \dots = 30$	$7 \times \dots = 42$
$7 \times \dots = 42$	$3 \times \dots = 21$	$6 \times \dots = 42$	$7 \times \dots = 56$
$9 \times \dots = 54$	$4 \times \dots = 24$	$6 \times \dots = 54$	$7 \times \dots = 70$
$10 \times \dots = 70$	$5 \times \dots = 35$	$6 \times \dots = 63$	$7 \times \dots = 7$
$8 \times \dots = 56$	$6 \times \dots = 36$	$6 \times \dots = 0$	$7 \times \dots = 21$
$6 \times \dots = 42$	$7 \times \dots = 49$	$6 \times \dots = 12$	$7 \times \dots = 35$
$4 \times \dots = 28$	$8 \times \dots = 48$	$6 \times \dots = 24$	$7 \times \dots = 49$
$2 \times \dots = 14$	$9 \times \dots = 63$	$6 \times \dots = 36$	$7 \times \dots = 63$
$0 \times \dots = 0$	$10 \times \dots = 60$	$6 \times \dots = 48$	$7 \times \dots = 0$

3 Complete:

$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} \dots \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} \dots \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} \dots \\ \times 3 \\ \hline 21 \end{array}$	$\begin{array}{r} \dots \\ \times 9 \\ \hline 72 \end{array}$
$\begin{array}{r} 7 \\ \times \dots \\ \hline 70 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 56 \end{array}$	$\begin{array}{r} 10 \\ \times \dots \\ \hline 60 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 40 \end{array}$
$\begin{array}{r} 5 \\ \times \dots \\ \hline 30 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 24 \end{array}$	$\begin{array}{r} 2 \\ \times \dots \\ \hline 17 \end{array}$	$\begin{array}{r} \dots \\ \times 8 \\ \hline 16 \end{array}$	$\begin{array}{r} \dots \\ \times 9 \\ \hline 27 \end{array}$

4 Match:

3 X 4	3 X 6	3 X 8	4 X 9	4 X 4
2 X 9	2 X 6	2 X 8	4 X 6	6 X 6

5 Complete :

a $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$

b $5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$

c $5 \times 8 = \dots + \dots + \dots + \dots + \dots = \dots$

d $4 \times 4 = \dots + \dots = \dots$

e $7 + 7 + 7 + 7 + 7 = 5 \times \dots = \dots$

f $4 + 4 + 4 + 4 = 2 \times \dots = \dots$

g $5 \times 8 = 4 \times \dots = \dots$

h $6 \times 6 = 4 \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 6 :

..... , , , , , , , , ,
 , , , , , , , , ,

b List the first 20 multiples of 7 :

..... , , , , , , , , ,
 , , , , , , , , ,

c List the common multiples of 6 and 5 up to 50 :

.....

d List the common multiple of 3 , 4 and 6 up to 60 :

.....

7 Choose the correct answer :

a $5 + 5 + 5 + 5 + 5 + 5 = \dots$ (5×6 or 6×6 or 5×5)

b $8 + 8 = \dots$ (8×8 or $8 + 2$ or 4×4)

c $6 + 6 + 6 + 6 = \dots$ (3×6 or 3×8 or $6 + 4$)

d $8 \times 2 = \dots$ ($8 + 2$ or $8 + 8$ or 8×8)

e $9 + 9 + 9 + 9 + 9 + 9 = \dots$ (9×9 or $9 + 6$ or 6×9)

f $6 + 6 + 6 = \dots$ (9×2 or 6×6 or $6 + 3$)

g $4 \times 4 = \dots$ (8×2 or 1×6 or 3×5)

h 5×5 3×8 ($<$ or $=$ or $>$)

i $5 + 5 + 5 + 5$ 3×7 ($<$ or $=$ or $>$)

j $8 + 8 + 8 + 8$ 9×4 ($<$ or $=$ or $>$)

k $9 + 9 + 9 + 9$ 9×4 ($<$ or $=$ or $>$)

l $5 \times 6 = 3 \times \dots$ (5 or 10 or 6)

m $8 + 8 + 8 = 4 \times \dots$ (8 or 6 or 10)

n $6 + 6 + 6 = 2 \times \dots$ (9 or 6 or 4)

8 Complete in the same pattern :

a 0, 2, 4, 6, 8,,,,,

b 0, 3, 6, 9, 12,,,,,

c 0, 4, 8, 12, 16,,,,,

d 0, 5, 10, 15, 20,,,,,

e 0, 6, 12, 18, 24,,,,,

f 0, 7, 14, 21, 28,,,,,

9 Answer the following :

c On Samira's walk home she saw 6 cars.
If each car has 4 wheels,
how many wheels did she see in all?



..... X =

d Manal brought 6 bags of cookies to school. Each bag had 3 cookies in it.
How many cookies were there all together?



..... X =

e Malek runs 3 miles each day.
How many miles does he run in 7 days?



..... X =

f A bag of oranges holds 4 oranges.
How many oranges are in 8 bags?



..... X =

Sheet 4

First Choose the correct answer

- a 560 thousands + 10 hundreds + 3 tens + 5 ones =
(560 135 or 561 035 or 56 135)
- b $6 + 6 + 6 + 6 + 6 + 6 = \dots\dots\dots$ ($6 + 6$ or 6×5 or 4×9)
- c $4 \times 6 = 3 \times \dots\dots\dots$ (6 or 8 or 9)
- d $450\ 045 = 45 + \dots\dots\dots$ { $450\ 000$ or $4\ 500$ or 450 }
- e The value of the digit 8 in the number 8 567 is
(80 000 or 800 000 or 8 000)

Second Complete the following

- a $9 + 9 + 9 + 9 + 9 = \dots\dots\dots \times \dots\dots\dots$
- b The greatest 4 - digit number is
- c The number that comes right before 500 100 is
- d $9 \times 2 = \dots\dots\dots + \dots\dots\dots$
- e ☆ □ , ☆ □ , ☆ □ , ,

Third Answer the following

- a Find the result :
(1) $7\ 852 + 148 = \dots\dots\dots$ (2) $7\ 005 - 155 = \dots\dots\dots$
- b Arrange the following numbers in a descending order .
 $15\ 030$, $150\ 003$, $15\ 300$, $153\ 000$, $15\ 003$
..... , , , ,
- c It takes a rocket 7 seconds to travel one kilometer.
How many seconds will it take to travel 4 kilometers?
..... \times =
- d Each pack of pencils contains 8 pencils.
How many pencils are in 3 packs?
..... \times =

The Multiplication Table (8 & 9)

1 USE THE 120 CHART

Color the multiples of 8 and the multiples of 9 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 8 :

..... , , , ,
 , , , ,

b List the first 10 multiples of 9 :

..... , , , ,
 , , , ,

c List the common multiples of 6 and 9 up to 90 :

.....
 ,

2 Complete the following :

a

8 X 0 =	8 X 6 =
8 X 1 =	8 X 7 =
8 X 2 =	8 X 8 =
8 X 3 =	8 X 9 =
8 X 4 =	8 X 10 =
8 X 5 =	

b

9 X 0 =	9 X 6 =
9 X 1 =	9 X 7 =
9 X 2 =	9 X 8 =
9 X 3 =	9 X 9 =
9 X 4 =	9 X 10 =
9 X 5 =	

3 Complete the following :

$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$

4 Complete in the same pattern :

a 30 , 27 , 24 , 21 , , , , ,

b 50 , 45 , 40 , 35 , , , , ,

c 70 , 63 , 56 , 49 , , , , ,

d 90 , 81 , 72 , 63 , , , , ,

5 Match each story problem to its multiplication equation.

a Mariam had 4 sweaters.

Each sweater had 3 buttons on it.

How many total buttons are there on all the sweaters?

$$6 \times 6 = 36$$

b Rana packed 6 boxes full of cans.

Each box had 6 cans.

How many total cans did Rana pack?

$$3 \times 7 = 21$$

Amir hiked for 3 days over the summer. Each day he hiked 7 miles. How many miles did he hike in all ?

$$4 \times 3 = 12$$



HOMEWORK



Pony

1 Complete the multiplication table:

$8 \times 0 = \dots\dots$	$8 \times 1 = \dots\dots$	$9 \times 0 = \dots\dots$	$9 \times 1 = \dots\dots$
$8 \times 1 = \dots\dots$	$8 \times 3 = \dots\dots$	$9 \times 1 = \dots\dots$	$9 \times 3 = \dots\dots$
$8 \times 2 = \dots\dots$	$8 \times 5 = \dots\dots$	$9 \times 2 = \dots\dots$	$9 \times 5 = \dots\dots$
$8 \times 3 = \dots\dots$	$8 \times 7 = \dots\dots$	$9 \times 3 = \dots\dots$	$9 \times 7 = \dots\dots$
$8 \times 4 = \dots\dots$	$8 \times 9 = \dots\dots$	$9 \times 4 = \dots\dots$	$9 \times 9 = \dots\dots$
$8 \times 5 = \dots\dots$	$8 \times 10 = \dots\dots$	$9 \times 5 = \dots\dots$	$9 \times 10 = \dots\dots$
$8 \times 6 = \dots\dots$	$8 \times 8 = \dots\dots$	$9 \times 6 = \dots\dots$	$9 \times 8 = \dots\dots$
$8 \times 7 = \dots\dots$	$8 \times 6 = \dots\dots$	$9 \times 7 = \dots\dots$	$9 \times 6 = \dots\dots$
$8 \times 8 = \dots\dots$	$8 \times 4 = \dots\dots$	$9 \times 8 = \dots\dots$	$9 \times 4 = \dots\dots$
$8 \times 9 = \dots\dots$	$8 \times 2 = \dots\dots$	$9 \times 9 = \dots\dots$	$9 \times 2 = \dots\dots$
$8 \times 10 = \dots\dots$	$8 \times 0 = \dots\dots$	$9 \times 10 = \dots\dots$	$9 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots = 9$	$0 \times \dots = 0$	$8 \times \dots = 0$	$9 \times \dots = 9$
$3 \times \dots = 27$	$1 \times \dots = 8$	$8 \times \dots = 16$	$9 \times \dots = 27$
$5 \times \dots = 45$	$2 \times \dots = 16$	$8 \times \dots = 32$	$9 \times \dots = 45$
$7 \times \dots = 63$	$3 \times \dots = 24$	$8 \times \dots = 48$	$9 \times \dots = 63$
$9 \times \dots = 81$	$4 \times \dots = 32$	$8 \times \dots = 64$	$9 \times \dots = 81$
$10 \times \dots = 90$	$5 \times \dots = 40$	$8 \times \dots = 80$	$9 \times \dots = 0$
$8 \times \dots = 72$	$6 \times \dots = 48$	$8 \times \dots = 8$	$9 \times \dots = 18$
$6 \times \dots = 54$	$7 \times \dots = 56$	$8 \times \dots = 24$	$9 \times \dots = 36$
$4 \times \dots = 36$	$8 \times \dots = 64$	$8 \times \dots = 40$	$9 \times \dots = 54$
$2 \times \dots = 18$	$9 \times \dots = 72$	$8 \times \dots = 56$	$9 \times \dots = 72$
$0 \times \dots = 0$	$10 \times \dots = 80$	$8 \times \dots = 72$	$9 \times \dots = 90$

6 Complete in the same pattern :

- a 0, 2, 4, 6, , , , , , , , , , , , , , , , , ,
- b 30, 27, 24, 21, , , , , , , , , , , , , , , , ,
- c 0, 4, 8, 12, , , , , , , , , , , , , , , , ,
- d 50, 45, 40, 35, , , , , , , , , , , , , , , , ,
- e 0, 6, 12, 18, , , , , , , , , , , , , , , , ,
- f 70, 63, 56, 49, , , , , , , , , , , , , , , , ,
- g 0, 8, 16, 24, , , , , , , , , , , , , , , , ,
- h 90, 81, 72, 63, , , , , , , , , , , , , , , , ,

7 Answer the following :

- a** There are 9 apples in each box.
How many apples are in 6 boxes?



- b** Eman has 2 boxes of oranges .
Each box holds 5 oranges.
How many tickets does Eman have ?



- C** There are 9 erasers in each box.
How many erasers are in 9 boxes?





HOMEWORK



Pony

1 Complete the multiplication table:

$8 \times 0 = \dots\dots$	$8 \times 1 = \dots\dots$	$9 \times 0 = \dots\dots$	$9 \times 1 = \dots\dots$
$8 \times 1 = \dots\dots$	$8 \times 3 = \dots\dots$	$9 \times 1 = \dots\dots$	$9 \times 3 = \dots\dots$
$8 \times 2 = \dots\dots$	$8 \times 5 = \dots\dots$	$9 \times 2 = \dots\dots$	$9 \times 5 = \dots\dots$
$8 \times 3 = \dots\dots$	$8 \times 7 = \dots\dots$	$9 \times 3 = \dots\dots$	$9 \times 7 = \dots\dots$
$8 \times 4 = \dots\dots$	$8 \times 9 = \dots\dots$	$9 \times 4 = \dots\dots$	$9 \times 9 = \dots\dots$
$8 \times 5 = \dots\dots$	$8 \times 10 = \dots\dots$	$9 \times 5 = \dots\dots$	$9 \times 10 = \dots\dots$
$8 \times 6 = \dots\dots$	$8 \times 8 = \dots\dots$	$9 \times 6 = \dots\dots$	$9 \times 8 = \dots\dots$
$8 \times 7 = \dots\dots$	$8 \times 6 = \dots\dots$	$9 \times 7 = \dots\dots$	$9 \times 6 = \dots\dots$
$8 \times 8 = \dots\dots$	$8 \times 4 = \dots\dots$	$9 \times 8 = \dots\dots$	$9 \times 4 = \dots\dots$
$8 \times 9 = \dots\dots$	$8 \times 2 = \dots\dots$	$9 \times 9 = \dots\dots$	$9 \times 2 = \dots\dots$
$8 \times 10 = \dots\dots$	$8 \times 0 = \dots\dots$	$9 \times 10 = \dots\dots$	$9 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots = 9$	$0 \times \dots = 0$	$8 \times \dots = 0$	$9 \times \dots = 9$
$3 \times \dots = 27$	$1 \times \dots = 8$	$8 \times \dots = 16$	$9 \times \dots = 27$
$5 \times \dots = 45$	$2 \times \dots = 16$	$8 \times \dots = 32$	$9 \times \dots = 45$
$7 \times \dots = 63$	$3 \times \dots = 24$	$8 \times \dots = 48$	$9 \times \dots = 63$
$9 \times \dots = 81$	$4 \times \dots = 32$	$8 \times \dots = 64$	$9 \times \dots = 81$
$10 \times \dots = 90$	$5 \times \dots = 40$	$8 \times \dots = 80$	$9 \times \dots = 0$
$8 \times \dots = 72$	$6 \times \dots = 48$	$8 \times \dots = 8$	$9 \times \dots = 18$
$6 \times \dots = 54$	$7 \times \dots = 56$	$8 \times \dots = 24$	$9 \times \dots = 36$
$4 \times \dots = 36$	$8 \times \dots = 64$	$8 \times \dots = 40$	$9 \times \dots = 54$
$2 \times \dots = 18$	$9 \times \dots = 72$	$8 \times \dots = 56$	$9 \times \dots = 72$
$0 \times \dots = 0$	$10 \times \dots = 80$	$8 \times \dots = 72$	$9 \times \dots = 90$

3 Complete:

$$\begin{matrix} & 2 \\ x & 2 \end{matrix}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

x **2**
x **3**

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

x 2
8

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

x 2
5

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

26

$$\begin{matrix} & 2 \\ \times & 9 \\ \hline \end{matrix}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

X 3
4

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

4 Match :

9×4	9×2	6×4	6×2	4×4	5×8
--------------	--------------	--------------	--------------	--------------	--------------

3×8	6×6	3×6	4×10	3×4	2×8
--------------	--------------	--------------	---------------	--------------	--------------

5 Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

.....

b List the common multiples of 5 and 4 up to 40 :

.....

c List the common multiples of 4 and 6 up to 60 :

.....

d List the common multiples of 6 and 9 up to 60 :

.....

e List the common multiples of 6 and 8 up to 80 :

.....

6 Complete in the same pattern :

a 0, 2, 4, 6,

b 30, 27, 24, 21,

c 0, 4, 8, 12,

d 50, 45, 40, 35,

e 0, 6, 12, 18,

f 70, 63, 56, 49,

g 0, 8, 16, 24,

h 90, 81, 72, 63,

7 Answer the following :

a There are 9 apples in each box.
How many apples are in 6 boxes?

..... **x** =



b Eman has 2 boxes of oranges .
Each box holds 5 oranges.
How many tickets does Eman have ?

..... **x** =



c There are 9 erasers in each box.
How many erasers are in 9 boxes?

..... **x** =

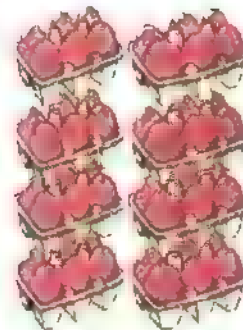


- d** Each peanut costs LE 5.
How much do 7 peanuts cost?



$$\dots \times \dots = \dots$$

- e** Ahmed went to the store 8 times last month.
He buys 6 eggs each time he goes to the store.
How many eggs did Ahmed buy last month?



$$\dots \times \dots = \dots$$

- f** Each child has 7 bananas.
If there are 7 children,
how many bananas are there in total?



$$\dots \times \dots = \dots$$

- g** Each child has 8 crayons.
If there are 8 children,
how many crayons are there in total?



$$\dots \times \dots = \dots$$

- h** Each box of cookies costs LE 6.
How much do 5 boxes cost?



$$\dots \times \dots = \dots$$

Sheet 5

First Choose the correct answer

- a $8 + 8 + 8 + 8 + 8 + 8 + 8 = \dots\dots\dots$ (7×8 or $8 + 7$ or 8×8)
- b 6×5 $10 + 10 + 10$ ($<$ or $=$ or $>$)
- c The smallest 5-digit number is (10 000 or 12 345 or 10 234)
- d $10\,000 + 55\,000 + 1\,000 = \dots\dots\dots$ (65 100 or 155 100 or 66 000)
- e The number 63 000 comes right after ...
(63 001 or 62 999 or 63 999)

Second Complete the following

- a $9 + 9 + 9 + 9 = 6 \times \dots\dots\dots$
- b $370\,037 = 37 + \dots\dots\dots$
- c The place value of the digit 6 in the number 98 625 is
- d 75 thousands + 50 tens + 12 ones =
- e 60 , 54 , 48 , 42 , 36 , , ,

Third Answer the following

- a Find the result :

(1) $8\,500 + 1\,500 = \dots\dots\dots$ (2) $7\,000 - 4\,500 = \dots\dots\dots$

- b Arrange the following numbers in an ascending order .

45 450 , 45 045 , 45 504 , 45 054 , 45 405

..... , , , ,

- c Each chair has 4 legs .

How many legs do 7 chairs have ?

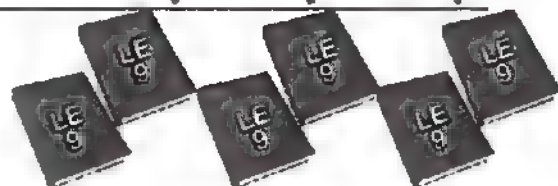
$\dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$



- d Each book costs LE 9 .

How much do 6 books costs ?

$\dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$



LESSON 6

Multiplication Strategy

Multiplying by 9

(1) Finger Trick Strategy

Example: 9×6

Step 1

Number your fingers from left hand to right hand (1-10.)



Step 2

Starting on the left, count until you get to the 6th finger



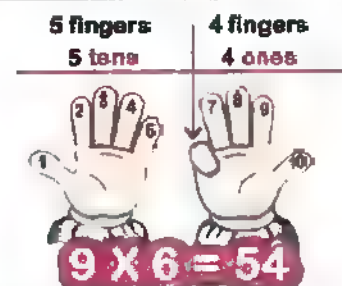
Step 3

Put that finger under. This is the division between the tens and the ones now.

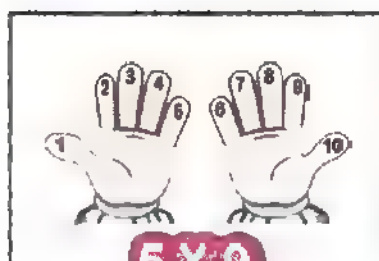


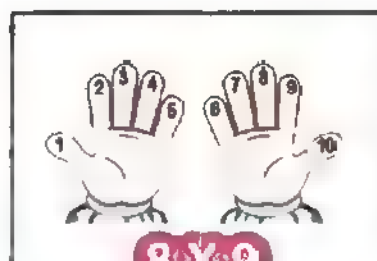
Step 4

Count how many are on the left in the tens, and how many are on the right of the down finger and these are the ones.













1 Use the finger trick strategy to find :







(2) List of equation strategy :

1 X 9	=	9		0 + 9 = 9
2 X 9	=	1 8		1 + 8 = 9
3 X 9	=	2 7		2 + 7 = 9
4 X 9	=	3 6		3 + 6 = 9
5 X 9	=	4 5		4 + 5 = 9
6 X 9	=	5 4		5 + 4 = 9
7 X 9	=	6 3		6 + 3 = 9
8 X 9	=	7 2		7 + 2 = 9
9 X 9	=	8 1		8 + 1 = 9
10 X 9	=	9 0		9 + 0 = 9

(3) 120 chart strategy :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

(4) Tens fact strategy :**Example**To find : 9×6 :Draw a model of 10×6 then cross one group of 6:

$$9 \times 6 = (10 \times 6) - 6 = 54$$

2) Use the Ten fact strategy to find :**a** 9×7

--	--	--	--	--	--	--	--	--	--

$$9 \times 7 = (10 \times 7) - 7 = \dots - \dots = \dots$$

b 9×5

--	--	--	--	--	--	--	--	--	--

$$9 \times 5 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$

c 9×8

--	--	--	--	--	--	--	--	--	--

$$9 \times 8 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$

d 9×3

--	--	--	--	--	--	--	--	--	--

$$9 \times 3 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$

1 Complete:

$2 \times 2 = \dots\dots\dots$

$3 \times 3 = \dots\dots\dots$

$2 \times 6 = \dots\dots\dots$

$4 \times 4 = \dots\dots\dots$

$2 \times 9 = \dots\dots\dots$

$4 \times 6 = \dots\dots\dots$

$3 \times 9 = \dots\dots\dots$

$4 \times 8 = \dots\dots\dots$

$6 \times 6 = \dots\dots\dots$

$5 \times 9 = \dots\dots\dots$

$6 \times 9 = \dots\dots\dots$

$7 \times 9 = \dots\dots\dots$

$2 \times 3 = \dots\dots\dots$

$2 \times 5 = \dots\dots\dots$

$2 \times 7 = \dots\dots\dots$

$2 \times 8 = \dots\dots\dots$

$4 \times 5 = \dots\dots\dots$

$3 \times 8 = \dots\dots\dots$

$4 \times 7 = \dots\dots\dots$

$5 \times 7 = \dots\dots\dots$

$5 \times 8 = \dots\dots\dots$

$6 \times 8 = \dots\dots\dots$

$7 \times 8 = \dots\dots\dots$

$8 \times 9 = \dots\dots\dots$

$2 \times 4 = \dots\dots\dots$

$3 \times 4 = \dots\dots\dots$

$3 \times 5 = \dots\dots\dots$

$3 \times 6 = \dots\dots\dots$

$3 \times 7 = \dots\dots\dots$

$5 \times 5 = \dots\dots\dots$

$5 \times 6 = \dots\dots\dots$

$4 \times 9 = \dots\dots\dots$

$6 \times 7 = \dots\dots\dots$

$7 \times 7 = \dots\dots\dots$

$8 \times 8 = \dots\dots\dots$

$9 \times 9 = \dots\dots\dots$

$2 \times \dots\dots\dots = 4$

$3 \times \dots\dots\dots = 6$

$4 \times \dots\dots\dots = 8$

$3 \times \dots\dots\dots = 9$

$5 \times \dots\dots\dots = 10$

$6 \times \dots\dots\dots = 12$

$4 \times \dots\dots\dots = 12$

$7 \times \dots\dots\dots = 14$

$5 \times \dots\dots\dots = 15$

$4 \times \dots\dots\dots = 16$

$8 \times \dots\dots\dots = 16$

$9 \times \dots\dots\dots = 18$

$6 \times \dots\dots\dots = 18$

$5 \times \dots\dots\dots = 20$

$7 \times \dots\dots\dots = 21$

$8 \times \dots\dots\dots = 24$

$6 \times \dots\dots\dots = 24$

$5 \times \dots\dots\dots = 25$

$9 \times \dots\dots\dots = 27$

$7 \times \dots\dots\dots = 28$

$6 \times \dots\dots\dots = 30$

$8 \times \dots\dots\dots = 32$

$7 \times \dots\dots\dots = 35$

$6 \times \dots\dots\dots = 36$

$9 \times \dots\dots\dots = 36$

$8 \times \dots\dots\dots = 40$

$7 \times \dots\dots\dots = 42$

$9 \times \dots\dots\dots = 45$

$8 \times \dots\dots\dots = 48$

$7 \times \dots\dots\dots = 49$

$9 \times \dots\dots\dots = 54$

$8 \times \dots\dots\dots = 56$

$9 \times \dots\dots\dots = 63$

$8 \times \dots\dots\dots = 64$

$9 \times \dots\dots\dots = 72$

$9 \times \dots\dots\dots = 81$

2 Complete:

$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ \times \dots \\ \hline 81 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 56 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 35 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 16 \end{array}$
$\begin{array}{r} 8 \\ \times \dots \\ \hline 64 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 49 \end{array}$	$\begin{array}{r} 9 \\ \times \dots \\ \hline 54 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 32 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 48 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 25 \end{array}$

3 Use the finger trick strategy to find :



2 x 9



4 x 9



9 x 6



8 x 9



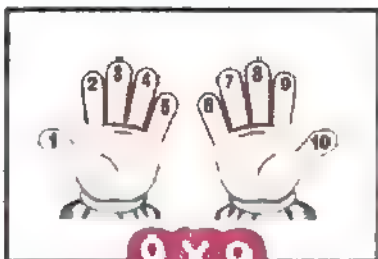
3 x 9



9 x 5



7 x 9



9 x 9



9 x 1



10 x 9

4 Use the Ten fact strategy to find :

a $9 \times 2 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 2 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

b $9 \times 4 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 4 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

c $9 \times 6 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 6 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

d $9 \times 8 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 8 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

e $9 \times 1 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 1 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

f $9 \times 3 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 3 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

g $9 \times 5 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 5 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

h $9 \times 7 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 7 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

i $9 \times 9 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 9 = (\dots\dots \times \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

5 Choose the correct answer :

- a** $5 + 5 + 5 + 5 + 5 + 5 = \dots\dots$ (5×5 or 3×10 or 6×6)
- b** $8 \times 3 = \dots\dots$ (6×4 or $3 + 3 + 3$ or 4×4)
- c** $10 + 10 + 10 + 10 = \dots\dots$ (5×4 or 10×10 or 5×8)
- d** $9 + 9 + 9 + 9 = \dots\dots$ (9×9 or 3×6 or 6×6)
- e** $6 + 6 + 6 + 6 = \dots\dots$ (6×4 or $6 + 4$ or $6 + 6$)
- f** $9 \times 7 = (10 \times \dots\dots) - 7$ (10 or 9 or 7)
- g** $6 \times 3 = \dots\dots$ ($3 + 3 + 3$ or $6 + 6 + 6 + 6$ or $9 + 9$)
- h** $4 + 4 + 4 + 4 = \dots\dots$ (8×2 or $4 + 4$ or 4×4)

6 Complete :

- a** $8 \times 3 = \dots + \dots + \dots = \dots$
- b** $6 \times 6 = \dots + \dots + \dots + \dots + \dots + \dots = \dots$
- c** $5 \times 4 = \dots + \dots = \dots$
- d** $6 \times 3 = 2 \times \dots = \dots$
- e** $3 \times 4 = 2 \times \dots = \dots$
- f** $4 \times 4 = 2 \times \dots = \dots$
- g** $3 \times 8 = 4 \times \dots = \dots$
- h** $8 + 8 + 8 + 8 = 4 \times \dots = \dots$
- i** $6 + 6 + 6 + 6 + 6 = 5 \times \dots = \dots$
- j** $9 \times \dots = (10 \times 8) - 8 = \dots$
- k** $9 \times 6 = (\dots \times \dots) - 6 = \dots$

First Choose the correct answer

- a $9 \times \dots = (10 \times 7) - 7$ (6 or 7 or 8)
- b $8 + 8 + 8 + 8 + 8 = \dots$ (8×8 or $8 + 5$ or 4×10)
- c $450 + 45 = \dots$ (45 045 or 495 or 4 545)
- d $750\,000 + 15\,000 + 40 = \dots$ (751 540 or 765 040 or 750 190)
- e 200 thousands = ... tens (200 000 or 20 000 or 2 000)

Second Complete the following

- a The number that comes right before 20 000 is
- b The value of the digit 0 in the number 23 054 is
- c $(10 \times 6) - 6 = \dots \times 6$
- d $8 + 8 + 8 + 8 + 8 + 8 = \dots \times \dots$
- e Nine hundred thousand and nine (Standard form) =

Third Answer the following

- a Find the result of the following :

(1) $4\,567$

$+ 133$

.....

(2) 598

$- 527$

.....

(3) 709

$- 79$

.....

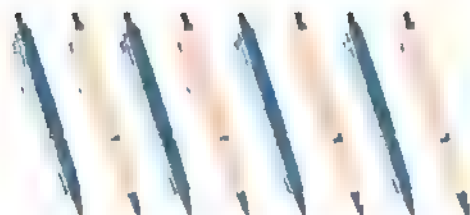
- b Complete using : ($<$, $=$ or $>$) :

(1) $5 + 5 + 5 + 5$ 5×5 (2) $4 + 4 + 4$ 2×6

(3) 8×5 $8 + 5$ (4) 9×3 3×9

- c Each pen costs LE 6 ,
How much do 8 pens cost ?

..... \times =



Multiplication Properties

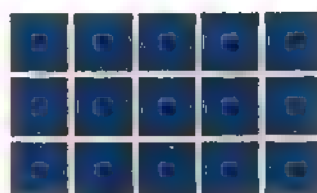
Commutative Property :

3 rows

5 squares in each row

Total number of squares

$$3 \times 5 = 15$$



5 rows

3 squares in each row

Total number of squares

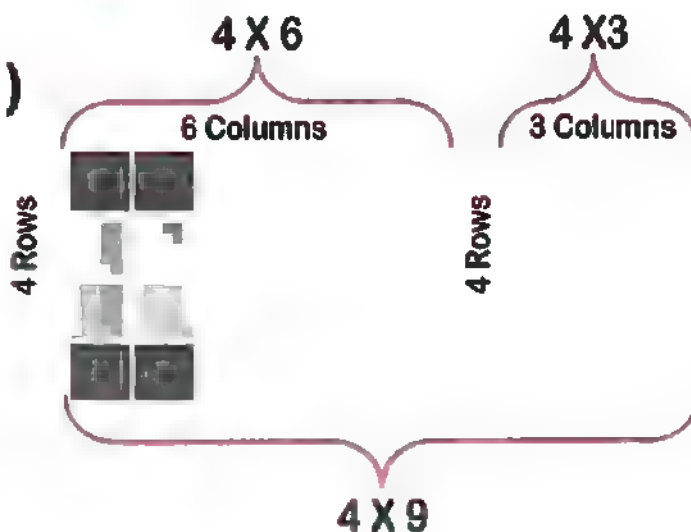
$$5 \times 3 = 15$$



So, $3 \times 5 = 5 \times 3$ (Commutative property)

Distributive Property :

$$\begin{aligned} & (4 \times 6) + (4 \times 3) \\ &= 4 \times (6 + 3) \\ &= 4 \times 9 \\ &= 36 \end{aligned}$$



1 Complete the following :

a $5 \times 8 = 8 \times \dots$

d $\dots \times 7 = 7 \times 4$

b $7 \times 3 = 3 \times \dots$

e $\dots \times 6 = 6 \times 9$

c $5 \times \dots = 7 \times 5$

f $3 \times \dots = 8 \times$

g $(5 \times 3) + (5 \times 7) = \dots \times \dots = \dots$

h $(8 \times 4) + (8 \times 2) = \dots \times \dots = \dots$

i $(2 \times 6) + (2 \times 3) = \dots \times \dots = \dots$

j $(\dots \times 3) + (\dots \times 4) = 8 \times 7 = \dots$

k $(7 \times \dots) + (7 \times 5) = \dots \times 9 = \dots$

l $5 \times 9 = (5 \times 4) + (\dots \times \dots)$

2 Complete the following :(As in the example)

Example

80

56

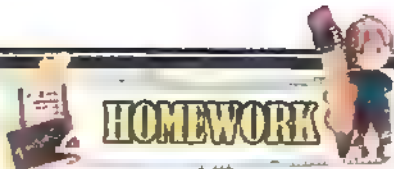
$8 \times 17 = 8 \times (10 + 7) = 8 \times 10 + 8 \times 7 = 136$

a $7 \times 13 = \dots$

b $8 \times 15 = \dots$

c $9 \times 13 = \dots$

d $7 \times 12 = \dots$



1 Complete the following :

- a $7 \times 8 = 8 \times \dots$ d $\dots \times 7 = 7 \times 4$
 b $8 \times 5 = 5 \times \dots$ e $\dots \times 6 = 6 \times 9$
 c $8 \times \dots = 7 \times 8$ f $7 \times \dots = 8 \times$
 g $(8 \times 4) + (8 \times 2) = \dots \times \dots = \dots$
 h $(7 \times 6) + (7 \times 3) = \dots \times \dots = \dots$
 i $(9 \times 3) + (9 \times 3) = \dots \times \dots = \dots$
 j $(\dots \times 4) + (\dots \times 4) = 8 \times 8 = \dots$
 k $(3 \times \dots) + (3 \times 5) = \dots \times 9 = \dots$
 l $2 \times 9 = (2 \times 4) + (\dots \times \dots)$

2 Complete the following :(As in the example)

Example

80

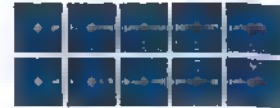
56

$$8 \times 17 = 8 \times (10 + 7) = 8 \times 10 + 8 \times 7 = 136$$

- a $7 \times 13 = \dots$
 b $4 \times 12 = \dots$
 c $9 \times 13 = \dots$
 d $8 \times 15 = \dots$

3 Complete :

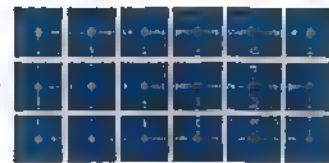
- a Number of rows =
- b Number of squares in each row =
- c Total number of squares =
- d Number of rows =
- e Number of squares in each row =
- f Total number of squares =



g So, $\dots \times \dots = \dots \times \dots$

4 Complete :

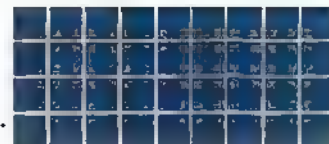
- a Number of Columns =
- b Number of squares in each Columns =
- c Total number of squares =
- d Number of Columns =
- e Number of squares in each Columns =
- f Total number of squares =



g So, $\dots \times \dots = \dots \times \dots$

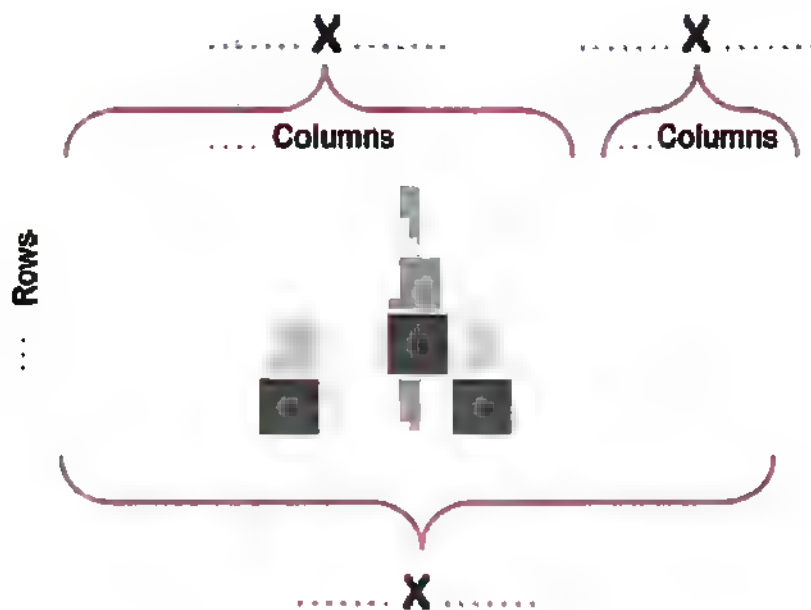
5 Complete :

- a Number of Columns =
- b Number of squares in each Columns =
- c Total number of squares =
- d Number of Columns =
- e Number of squares in each Columns =
- f Total number of squares =

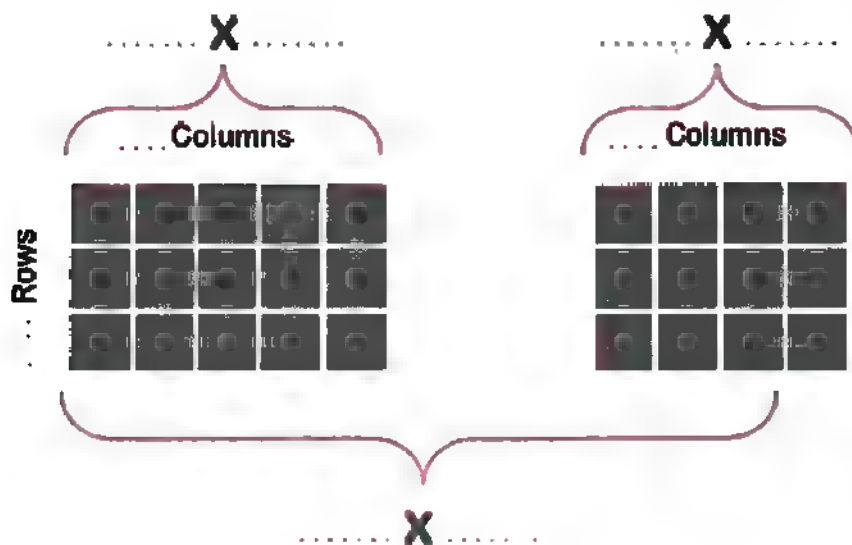


g So, $\dots \times \dots = \dots \times \dots$

6 Complete :



a $\dots X \dots = (\dots X \dots) + (\dots X \dots) = \dots$




b $\dots X \dots = (\dots X \dots) + (\dots X \dots) = \dots$

First Choose the correct answer

- a** Nineteen thousand , nine hundred and nine =
(19 909 or 90 909 or 19 990)
- b** $500 + 0 + 0 + 5 =$ (500 005 or 5005 or 505)
- c** $7 + 7 + 7 + 7 + 7 =$ (7×7 or 7×5 or $7 + 5$)
- d** $8 \times 2 =$ ($2 + 2$ or $4 + 4 + 4 + 4$ or 8×8)
- e** The value of the digit 8 in the number 308 964 is
(800 000 or 80 000 or 8 000)

Second Complete the following

- a**  , ,
- b** $6 \times 9 = (\text{.....} \times 5) + (\text{.....} \times \text{.....})$
- c** $7 \times 6 = \text{.....} \times 7$
- d** The number comes right after 56 999
- e** 700 thousands + 2 hundreds + 108 tens =

Third Answer the following

- a** Arrange the following numbers in an ascending order .

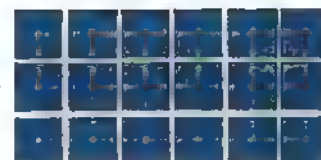
75 050 , 75 005 , 75 500 , 75 505 , 75 055

..... , , , ,

- b** Number of Columns =

Number of squares in each Columns =

Total number of squares = \times =



- c** Number of rows =

Number of squares in each row =

Total number of squares = \times =



LESSON 8

Multiplication by the multiples of ten

1 USE THE 120 CHART

Color the multiples of 10 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the multiples of 10 up to 120 :

..... , , , ,
 , , , ,

b List the common multiples of 10 and 5 up to 120 :

..... , , , ,
 , , , ,

c List the common multiples of 4 , 5 and 10 up to 120 :

.....

$4 \times 10 = 40$

$125 \times 10 = 1250$

$44 \times 10 = 440$

$100 \times 10 = 1\,000$

EXAMPLES

$$30 = 3 \times 10$$

$$4 \times 30 = 4 \times 3 \times 10 = 12 \times 10 = 120$$

$$4 \times 3 = 12$$

$$90 = 9 \times 10$$

$$7 \times 90 = 7 \times 9 \times 10 = 63 \times 10 = 630$$

$$7 \times 9 = 63$$

Complete the following :

a $7 \times 10 = \dots\dots$

c $12 \times 10 = \dots\dots$

e $6 \times \dots = 60$

g $65 \times \dots = 650$

i $5 \times 60 = \dots \times \dots \times \dots = \dots \times \dots = \dots$

j $4 \times 80 = \dots \times \dots \times \dots = \dots \times \dots = \dots$

k $\dots \times \dots = 5 \times 8 \times 10 = \dots \times \dots = \dots$

l $\dots \times \dots = 9 \times 3 \times 10 = \dots \times \dots = \dots$

m $\dots \times \dots = 7 \times \dots \times \dots = 35 \times 10 = \dots$

n $\dots \times \dots = \dots \times 9 \times \dots = 36 \times 10 = \dots$

b $9 \times 10 = \dots\dots$

d $52 \times 10 = \dots\dots$

f $8 \times \dots = 80$

h $47 \times \dots = 470$



1 Complete :

1 X 10 =	9 X = 90 X 10 = 50
3 X 10 =	7 X = 70	..... X 10 = 30
5 X 10 =	5 X = 50	... X 10 = 70
7 X 10 =	3 X = 30	..... X 10 = 20
9 X 10 =	1 X = 10	..... X 10 = 90
0 X 10 =	0 X = 0	..... X 10 = 10
2 X 10 =	2 X = 20	..... X 10 = 60
4 X 10 =	4 X = 40	..... X 10 = 40
6 X 10 =	6 X = 60	..... X 10 = 80
8 X 10 =	8 X = 80	..... X 10 = 0
10 X 10 =	10 X = 100	..... X 10 = 100

2 Answer the following :

a List all the multiples of 10 up to 120 :

.....

b List the common multiples of 5 and 10 up to 100 :

.....

c List the common multiples of 2 , 3 and 10 up to 100 :

.....

d List the common multiples of 4 , 5 and 10 up to 100 :

.....

e List the common multiples of 5 , 6 and 10 up to 100 :

.....

3 Complete the following :

a $6 \times 10 = \dots\dots$

c $52 \times 10 = \dots\dots$

e $16 \times 10 = \dots\dots$

g $7 \times \dots\dots = 70$

i $4 \times \dots\dots = 40$

k $86 \times \dots\dots = 860$

m $55 \times \dots\dots = 550$

b $8 \times 10 = \dots\dots$

d $22 \times 10 = \dots\dots$

f $82 \times 10 = \dots\dots$

h $4 \times \dots\dots = 40$

j $10 \times \dots\dots = 100$

l $27 \times \dots\dots = 270$

n $74 \times \dots\dots = 740$

4 Complete the following :

a $8 \times 50 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

b $5 \times 40 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

c $9 \times 80 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

d $\dots\dots \times \dots\dots = 5 \times 9 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

e $\dots\dots \times \dots\dots = 8 \times 8 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

f $\dots\dots \times \dots\dots = 6 \times 3 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

g $\dots\dots \times \dots\dots = 5 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$

h $\dots\dots \times \dots\dots = 6 \times \dots\dots \times \dots\dots = 54 \times 10 = \dots\dots$

i $\dots\dots \times \dots\dots = \dots\dots \times 7 \times \dots\dots = 49 \times 10 = \dots\dots$

5 Choose the correct answer :

- a** $5 \times 6 \times 10 = \dots \times 10$ (300 or 30 or 3)
- b** $7 \times 4 \times 10 = \dots \times 10$ (280 or 4 or 28)
- c** $\dots \times 9 \times 10 = 36 \times 10$ (4 or 36 or 360)
- d** $28 \times 10 = 4 \times \dots \times 10$ (7 or 280 or 40)
- e** $35 \times 10 = 5 \times \dots \times 10$ (70 or 350 or 7)
- f** $36 \times 10 = \dots \times 6 \times 10$ (3 or 6 or 36)
- g** $5 \times 8 = \dots \times 5$ (40 or 5 or 8)
- h** $9 \times \dots = 6 \times 9$ (6 or 9 or 54)
- i** $8 \times 6 = 6 \times \dots$ (8 or 6 or 48)
- j** $5 + 5 + 5 + 5 = 2 \times \dots$ (5 or 10 or 4 + 5)
- k** $6 + 6 + 6 = \dots$ (6 + 3 or 6 X 6 or 9 X 2)
- l** $6 + 6 + 6 + 6 + 6 = \dots$ (6 X 6 or 3 X 10 or 6 + 5)

6 Match :

2×60

8×50

3×60

6×60

4×40

$\times 50$

3×80

40×10

20×9

3×40

2×80

4×60

40×9

2×100

First Choose the correct answer

- a The value of the digit 9 in the number 89 123 is
(90 000 or 9 000 or 900)
- b $25\ 025 = 25 + \dots$ (25 or 250 or 25 000)
- c $4 + 4 + 4 + 4 = \dots$ ($4 + 4$ or $8 + 2$ or 8×2)
- d $6 \times 6 = \dots$ ($6 + 6 + 6 + 6$ or 6×2 or 9×4)
- e The smallest number formed from (6 , 7 , 2 , 0 , 5) is
(20 567 or 76 520 or 25 670)

Second Complete the following

- a 750 thousands + 100 hundreds =
- b $7 \times 14 = 7 \times \dots + 7 \times \dots = \dots$
- c $6 \times 70 = \dots \times \dots \times \dots = \dots$
- d Twenty thousand and twenty (In standard form) :
- e 80 , 72 , 64 , 56 , , ,

Third Answer the following

- a Find the result :

(1) $7\ 058 + 950 = \dots$ (2) $8\ 005 - 450 = \dots$

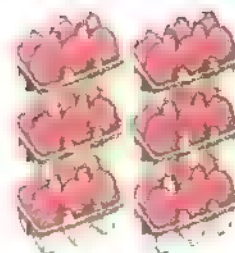
- b Arrange the following numbers in a descending order .

10 005 , 1 005 , 1 050 , 15 000 , 1 500

..... , , , ,

- c Ahmed went to the store 6 times last month.
He buys 6 eggs each time he goes to the store.
How many eggs did Ahmed buy last month?

..... \times =

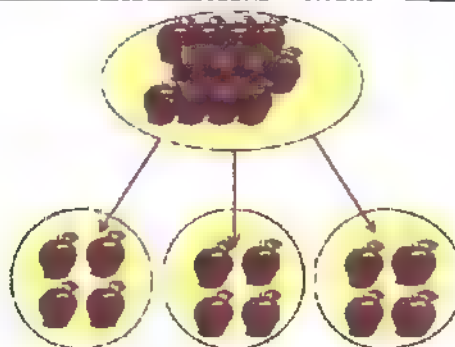


Division

Example

There are 12 apples that need to be divided equally between 3 baskets.

Draw a part - part - whole model to show the answer:



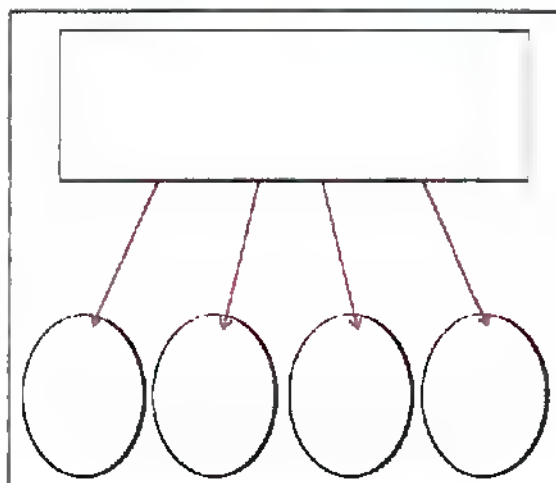
$$12 \div 3 = 4$$

Dividend Divided by Divisor Quotient

- There are 16 fish that need to be placed equally in 4 bowls. How many fish should be put into each bowl?

Draw a part-part-whole model to show your answer.

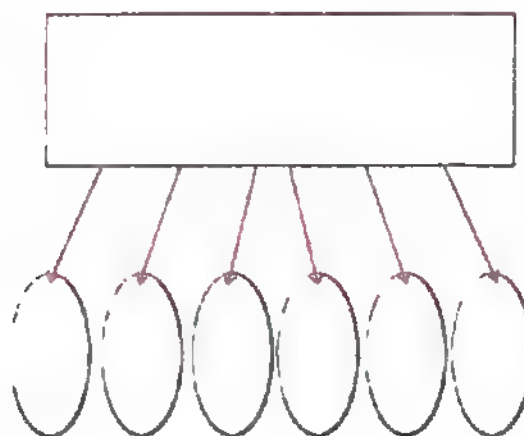
$$\dots \div \dots = \dots$$



- The teacher has 36 crayons to share equally between 6 students. What is the share of each?

Draw a part-part-whole model to show your answer.

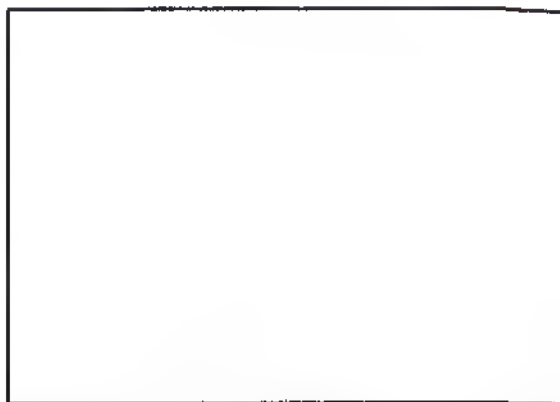
$$\dots \div \dots = \dots$$



- 3 Each cat needs 3 fish for lunch.
How many cats can we feed
with 12 fish ?

Draw a part-part-whole model
to show your answer .

..... ÷ =



Multiplication & Division Fact Families

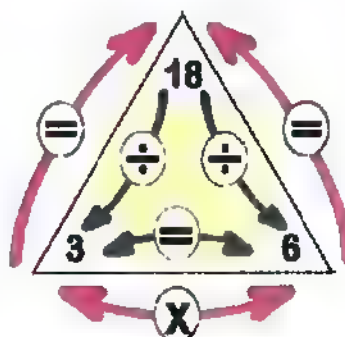
Example

$$3 \times 6 = 18$$

$$6 \times 3 = 18$$

$$18 \div 3 = 6$$

$$18 \div 6 = 3$$



- 4 Find the missing factor in the triangles , then write the four
equations to complete the fact family:

a

..... \times =

..... \times =

..... \div =

..... \div =

b

..... \times =

..... \times =

..... \div =

..... \div =

c

..... \times =

..... \times =

..... \div =

..... \div =

$$14 \div 2 = 7$$

$$2 \overline{) 14}$$

$$\frac{14}{2} = 7$$

5 Complete the following:

$$16 \div 4 = \dots\dots$$

$$3 \overline{) 15}$$

$$\frac{14}{2} = \dots\dots$$

$$15 \div 3 = \dots\dots$$

$$7 \overline{) 21}$$

$$\frac{18}{9} = \dots\dots$$

$$12 \div 3 = \dots\dots$$

$$6 \overline{) 12}$$

$$\frac{63}{7} = \dots\dots$$

$$\dots\dots \div 4 = 6$$

$$5 \overline{) \begin{array}{c} 7 \\ \dots \end{array}}$$

$$\frac{\dots\dots}{9} = 8$$

$$\dots\dots \div 6 = 8$$

$$2 \overline{) \begin{array}{c} 6 \\ \dots \end{array}}$$

$$\frac{\dots\dots}{7} = 8$$

$$36 \div \dots\dots = 6$$

$$\dots\dots \overline{) 30}$$

$$\frac{14}{\dots\dots} = 7$$

$$72 \div \dots\dots = 8$$

$$\dots\dots \overline{) 40}$$

$$\frac{54}{\dots\dots} = 9$$



HOMWORK



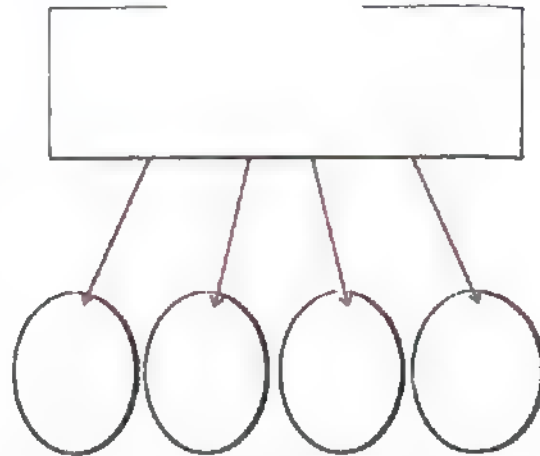
Pony

Answer the following :

- a** There are 20 fish tht need to be plased equally in 4 bowls. How many fish should be put into each bowl ?

Draw a part-part-whole model to show your answer .

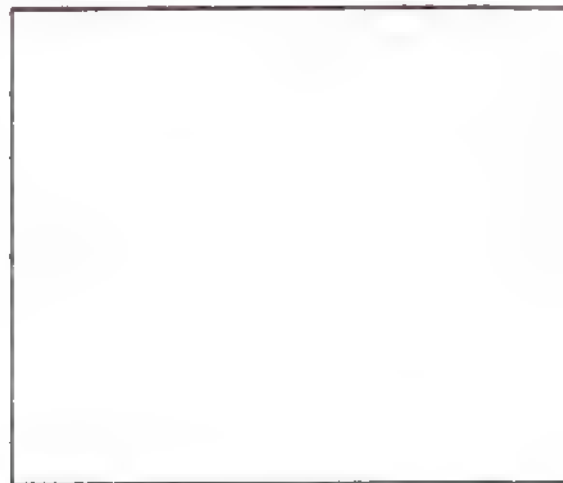
$$\dots \div \dots = \dots$$



- b** The teacher has 18 crayons to share equally between 6 students. What is the share of each ?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$



- c** Salah has 20 oranges that need to be divid equally between 5 baskets.

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$



- d** Eman is inviting 3 friends to a party. He has 12 cookies. How many cookies will each friend get?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- e** Judy has 20 pencils stored in boxes. If there are 5 boxes, How many pencils must go in each box?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- f** There are 6 students in the class and 30 peanuts. If the peanuts are divided equally among the students, How many does each student get?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- g** Each jackal must eat 6 insects.
There are 24 insects .
How many jackal can be fed?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- h** Each crocodile wants to eat 5 fish .
There are 25 fish.
How many crocodiles can be fed ?

Draw a part-part-whole model to show your answer .

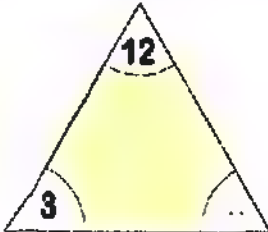
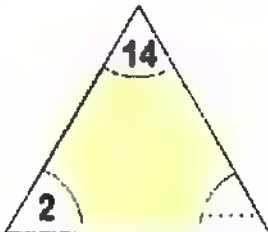
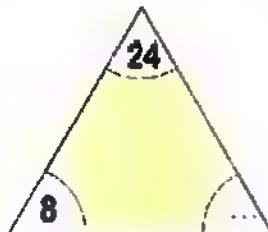
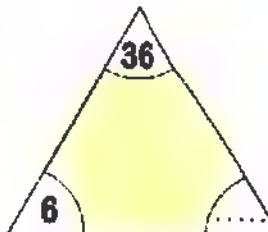
$$\dots \div \dots = \dots$$

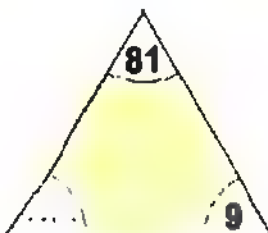
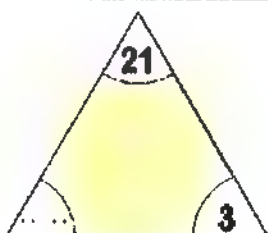

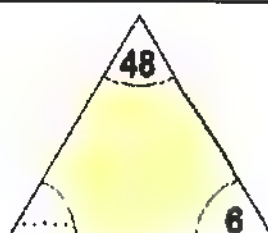
- i** Each bull eats 2 bales of hay each day .
There are 100 bales.
How many bulls can be fed ?


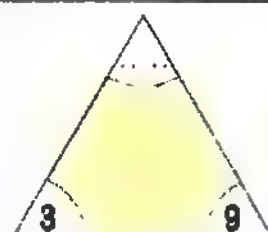

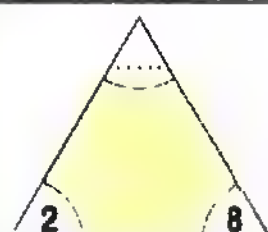
Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

2 Find the missing factor in the triangles, then write the four equations to complete the fact family:

 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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3 Complete the following:

$25 \div 5 = \dots\dots$

$2 \overline{) 8}$

$\frac{40}{5} = \dots\dots$

$15 \div 5 = \dots\dots$

$3 \overline{) 6}$

$\frac{42}{6} = \dots\dots$

$30 \div 5 = \dots\dots$

$5 \overline{) 10}$

$\frac{45}{5} = \dots\dots$

$36 \div 6 = \dots\dots$

$4 \overline{) 12}$

$\frac{48}{8} = \dots\dots$

$45 \div 5 = \dots\dots$

$4 \overline{) 16}$

$\frac{56}{7} = \dots\dots$

$72 \div 8 = \dots\dots$

$6 \overline{) 24}$

$\frac{54}{9} = \dots\dots$

$18 \div 9 = \dots\dots$

$3 \overline{) 24}$

$\frac{63}{7} = \dots\dots$

$16 \div 4 = \dots\dots$

$4 \overline{) 28}$

$\frac{64}{8} = \dots\dots$

$20 \div 5 = \dots\dots$

$3 \overline{) 27}$

$\frac{72}{8} = \dots\dots$

$21 \div 7 = \dots\dots$

$6 \overline{) 30}$

$\frac{81}{9} = \dots\dots$

4 Complete the following :

$$\dots \div 2 = 2$$

$$\dots \div 3 = 3$$

$$\dots \div 4 = 2$$

$$\dots \div 6 = 2$$

$$\dots \div 8 = 2$$

$$32 \div \dots = 8$$

$$35 \div \dots = 5$$

$$40 \div \dots = 5$$

$$36 \div \dots = 6$$

$$42 \div \dots = 7$$

$$2 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$3 \overline{) \begin{array}{r} 4 \\ \dots \end{array}}$$

$$4 \overline{) \begin{array}{r} 5 \\ \dots \end{array}}$$

$$5 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$6 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$\dots \overline{) \begin{array}{r} 9 \\ 36 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 5 \\ 45 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 6 \\ 48 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 6 \\ 54 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 7 \\ 63 \end{array}}$$

$$\frac{\dots}{6} = 4$$

$$\frac{\dots}{5} = 5$$

$$\frac{\dots}{4} = 8$$

$$\frac{\dots}{3} = 7$$

$$\frac{\dots}{2} = 9$$

$$\frac{72}{\dots} = 9$$

$$\frac{81}{\dots} = 9$$

$$\frac{64}{\dots} = 8$$

$$\frac{14}{\dots} = 7$$

$$\frac{49}{\dots} = 7$$

First Choose the correct answer

- a The number that comes right before 20 500 is
(20 499 or 20 501 or 10 500)
- b $28 \div \dots = 7$ (3 or 4 or 5)
- c $9 \times 50 = \dots \times 10$ (95 or 90 or 45)
- d $8 + 8 + 8 = \dots$ ($8 + 3$ or $6 + 4$ or 6×4)
- e Eighteen thousand, eight hundred and eight =
(18 808 or 80 808 or 18 880)

Second Complete the following

- a 25 thousand + 105 tens =
- b $\dots \div 8 = 7$
- c $6 \times 15 = (\dots \times \dots) + (\dots \times \dots) = \dots$
- d The smallest 6-digit number is
- e $3 \times 3 = 36 \div \dots$

Third Answer the following

- a Find the result :

(1) $789 + 125 = \dots$	(3) $45 \div 5 = \dots$
(2) $500 - 247 = \dots$	(4) $63 \div 9 = \dots$

- b Complete using < , = or > :

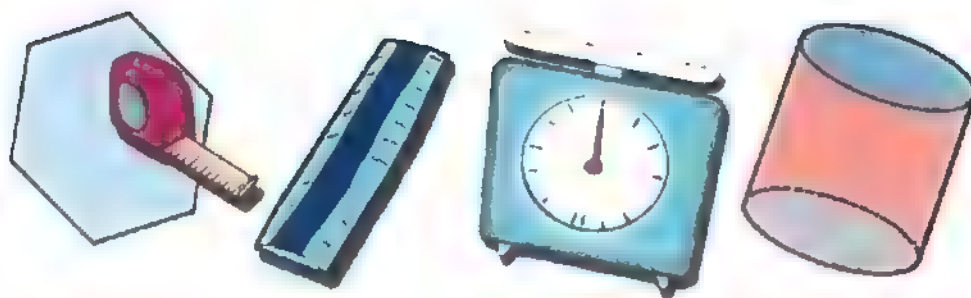
(1) 6×6 <input type="text"/> $4 + 9$	(3) $18 \div 2$ <input type="text"/> $48 \div 6$
(2) $4 + 4 + 4 + 4$ <input type="text"/> 2×8	(4) $8 \div 8$ <input type="text"/> 1×8

- c The price of each book is 8 pounds.
How many books can you buy if you have 40 pounds?

.....

CHAPTER

FOUR



AN

E

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E

E

.

LESSON 1

Time

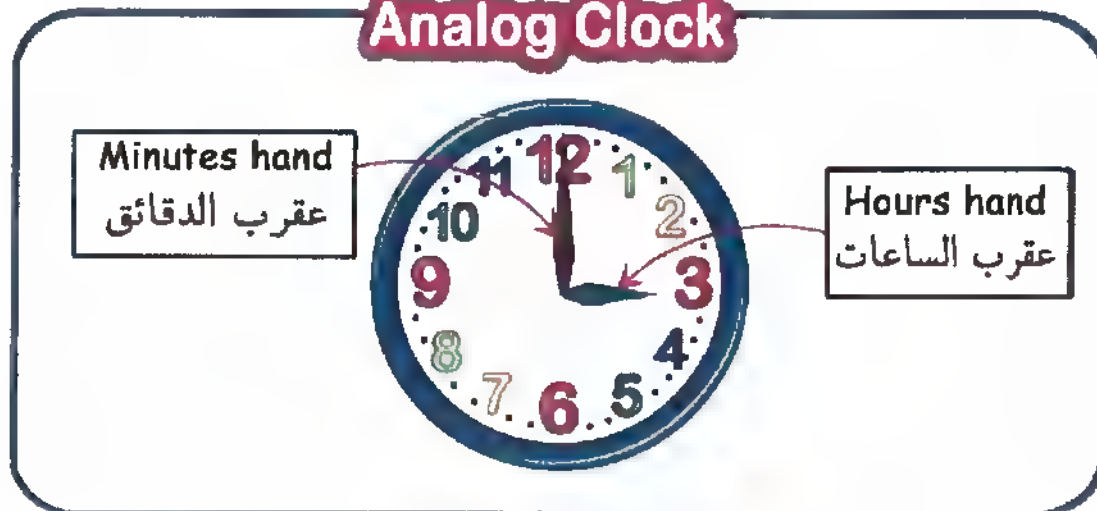
a half $\frac{1}{2}$ a third $\frac{1}{3}$ a quarter $\frac{1}{4}$

DAY $\xrightarrow{24}$ HOUR $\xrightarrow{60}$ MINUTE

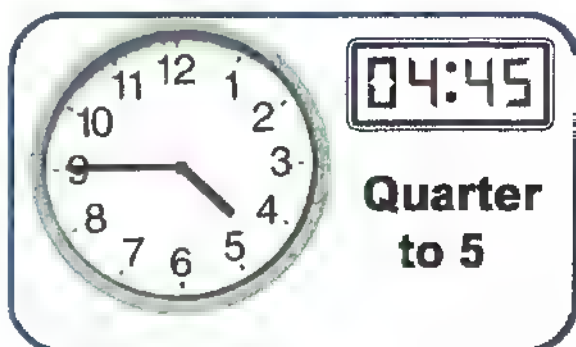
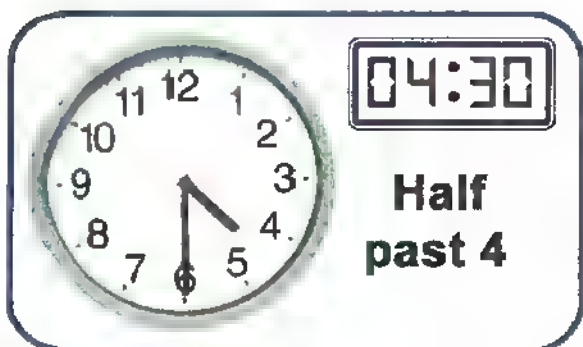
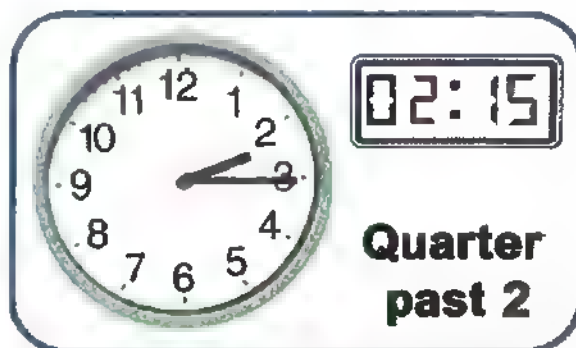
1 day = 24 hours **$\frac{1}{2}$ day = 12 hours** **$\frac{1}{3}$ day = 8 hours** **$\frac{1}{4}$ day = 6 hours****1 hour = 60 minutes** **$\frac{1}{2}$ hour = 30 minutes** **$\frac{1}{3}$ hour = 20 minutes** **$\frac{1}{4}$ hour = 15 minutes****1 Complete the following :****a** 2 hours = + = minutes**b** An hour and a half = + = minutes**c** 2 hours and a third = + = minutes**d** An hour and a quarter = + = minutes**e** 2 hours and 25 minutes = + = minutes**f** An hour and 10 minutes = + = minutes**g** 65 minutes = hours + minutes**h** 95 minutes = hours + minutes**i** 150 minutes = hours + minutes

Remember

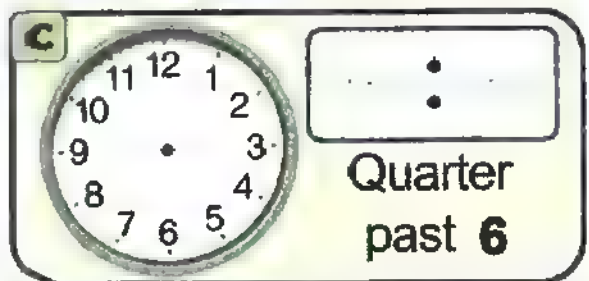
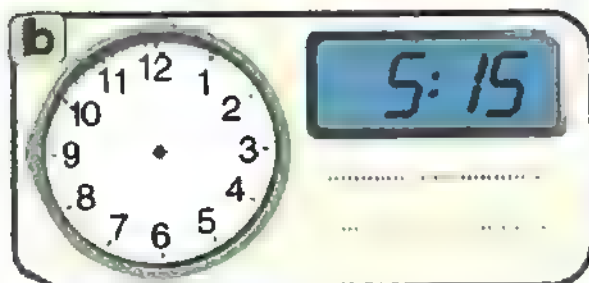
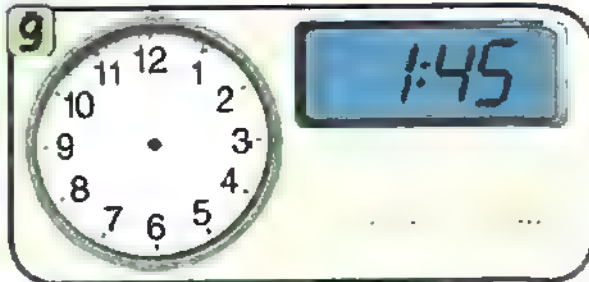
Analog Clock



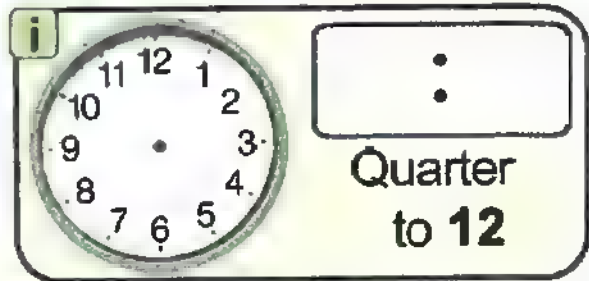
Digital Clock



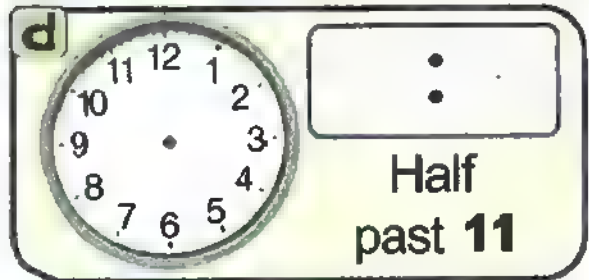
2 Complete :



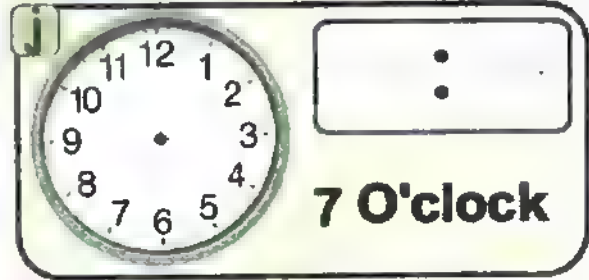
Quarter
past **6**



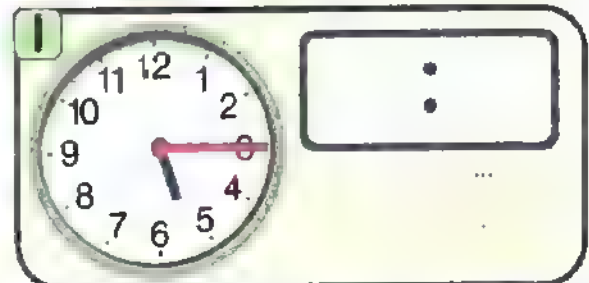
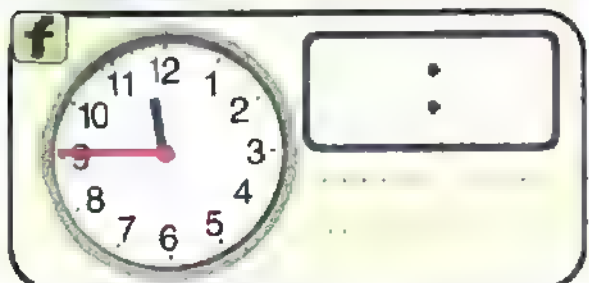
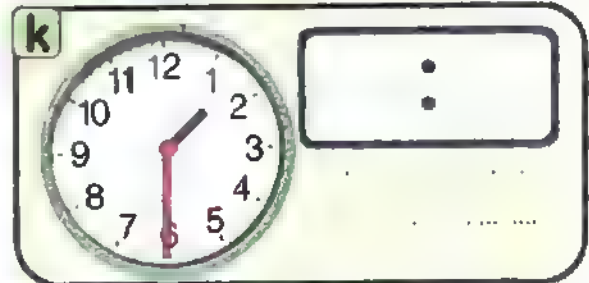
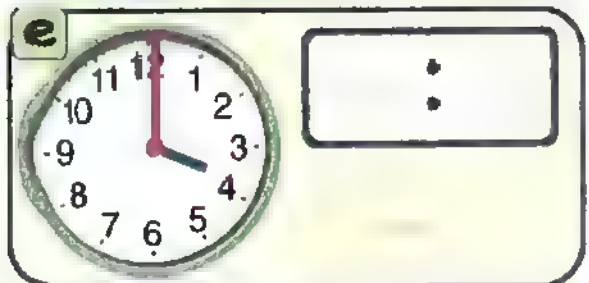
Quarter
to **12**



Half
past **11**



7 O'clock

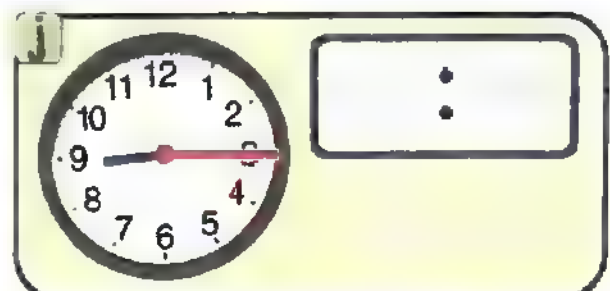
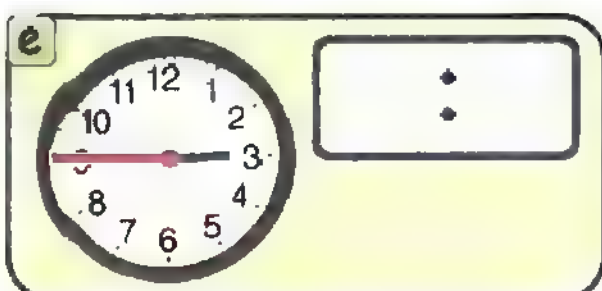
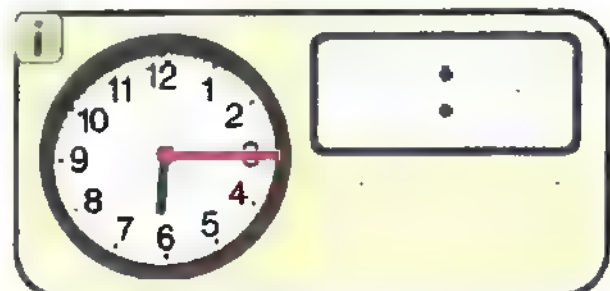
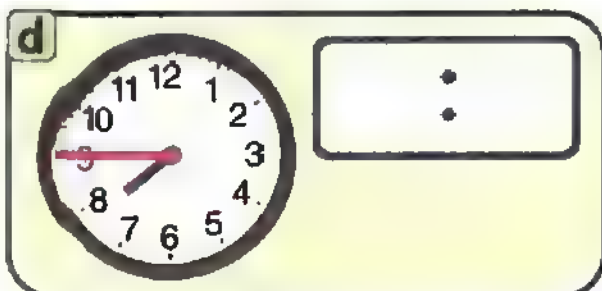
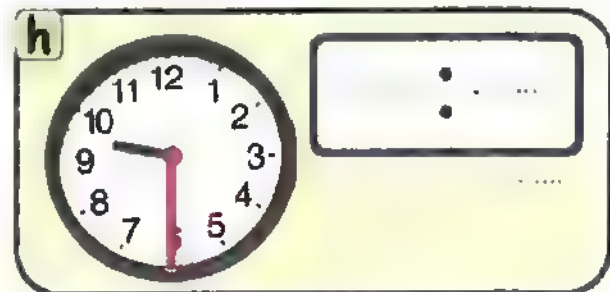
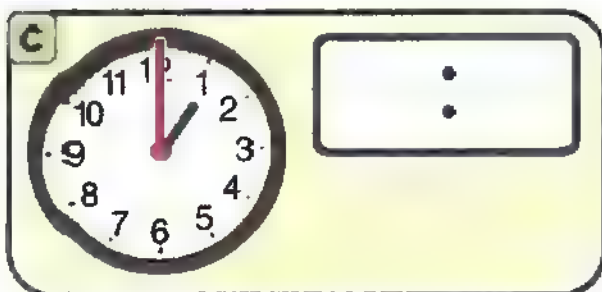
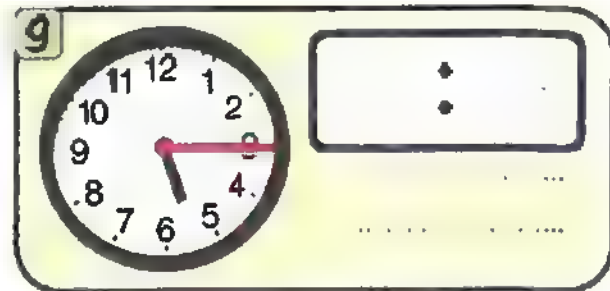
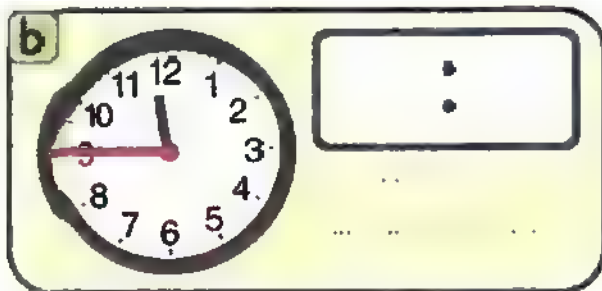
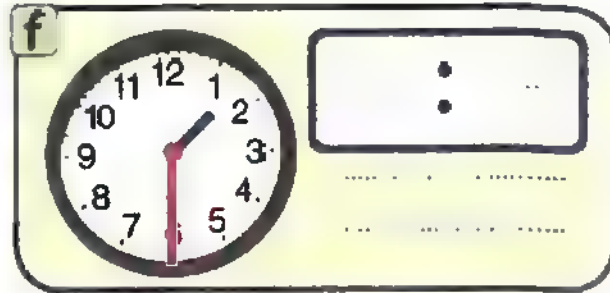
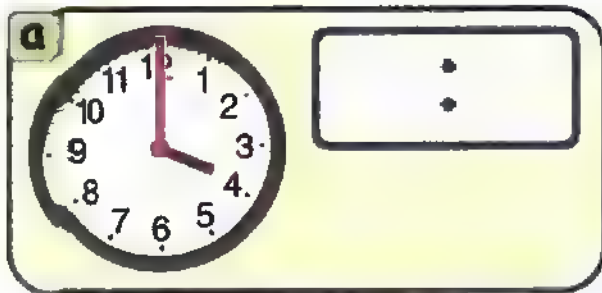




1 Complete the following :

- a** 2 hours = + = minutes
- b** An hour and a half = + = minutes
- c** An hour and a third = + = minutes
- d** An hour and a quarter = + = minutes
- e** An hour and 25 minutes = + = minutes
- f** An hour and 10 minutes = + = minutes
- g** 2 hours and a half = + = minutes
- h** 2 hours and a third = + = minutes
- i** 2 hours and a quarter = + = minutes
- j** 2 hours and 20 minutes = + = minutes
- k** 2 hours and 55 minutes = + = minutes
- l** 75 minutes = hours + minutes
- m** 80 minutes = hours + minutes
- n** 95 minutes = hours + minutes
- o** 100 minutes = hours + minutes
- p** 105 minutes = hours + minutes
- q** 130 minutes = hours + minutes

2 Complete :



3 Complete :


a



:

7 O'clock


f



:

half
past **6**


b



:

Quarter
past **6**


g



:

Quarter
to **12**

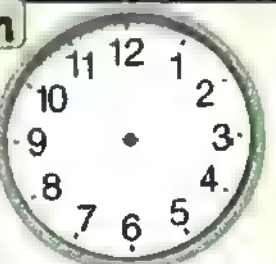
c



:

Half
past **11**


h



:

half
past **9**

d



:

Quarter
to **4**


i



:

12 O'clock


e



:

Quarter
to **3**

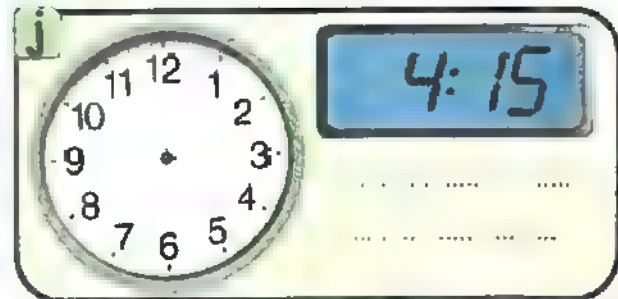
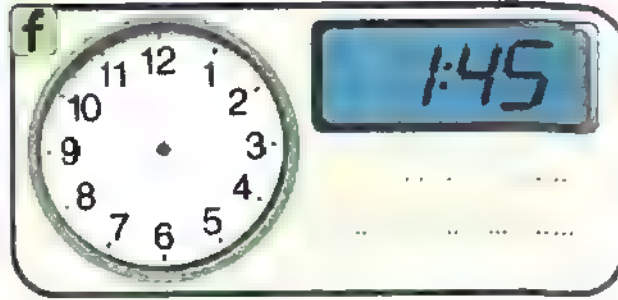
j



:

Quarter
past **8**

4 Complete :



Sheet 1

First Choose the correct answer

- a** 2 hours and a half = minutes (90 or 120 or 150)
- b** $72 \div \dots = 9$ (8 or 7 or 9)
- c** The value of the digit 6 in the number 36 987 is
(60 000 or 6 000 or 600)
- d** $9 + 9 = \dots$ (6×3 or $9 + 2$ or 9×9)
- e** 310 thousands + 5 hundreds + 15 ones =
(310 605 or 310 155 or 310 515)

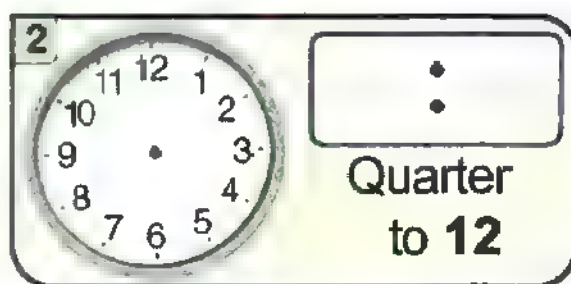
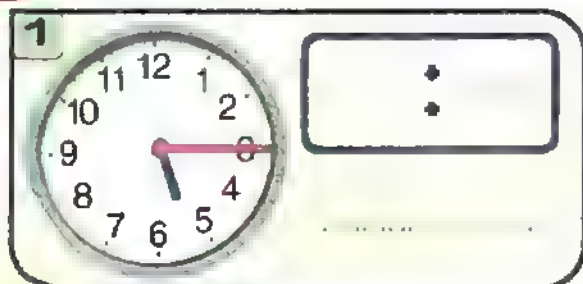
Second Complete the following

- a** 100 minutes = hours + minutes
- b** $6 \times 6 = \dots + \dots + \dots + \dots$
- c** $\dots \div 9 = 6$
- d** Nine hundred and nine thousands =
- e** ☆ □ , ☆ □ , ☆ □ , ,

Third Answer the following

- a** Find the result :
(1) $5\,687 + 223 = \dots$ (2) $6 \overline{)42}$ (3) $\frac{64}{8} = \dots$
- b** Arrange the following numbers in an ascending order .
99 999 , 10 000 , 98 765 , 100 000 , 10 234
..... , , , ,

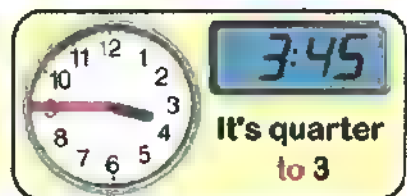
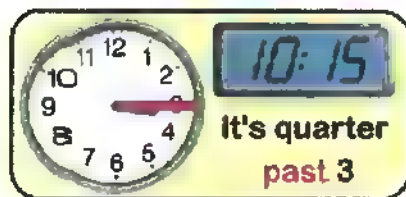
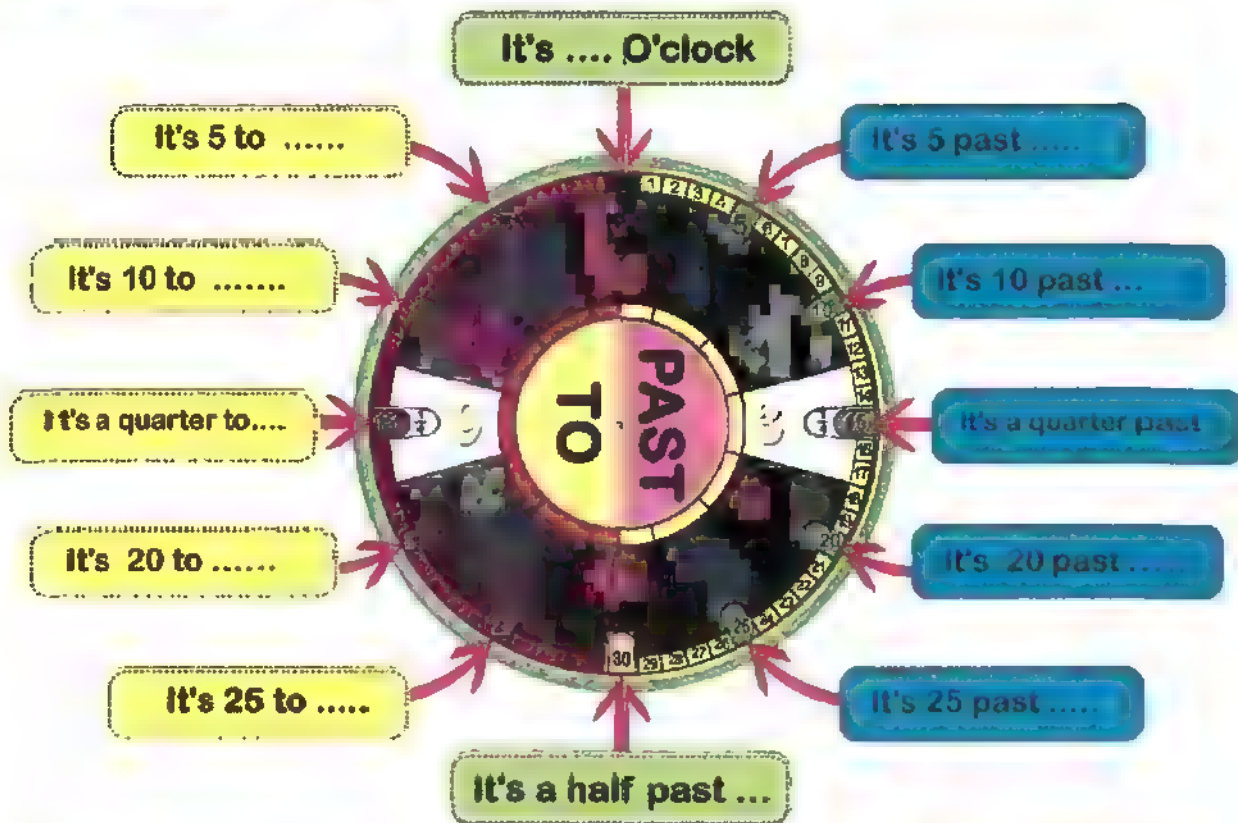
c Complete :



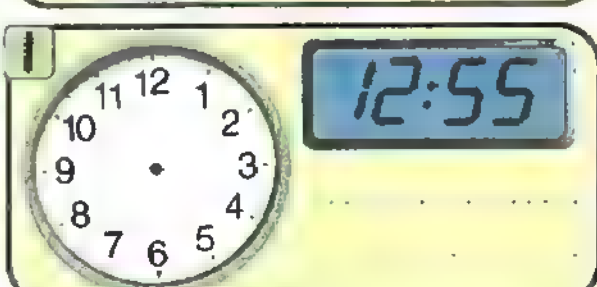
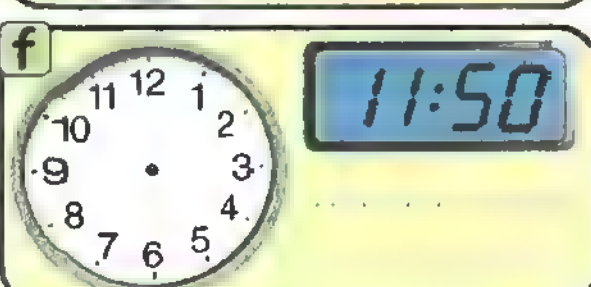
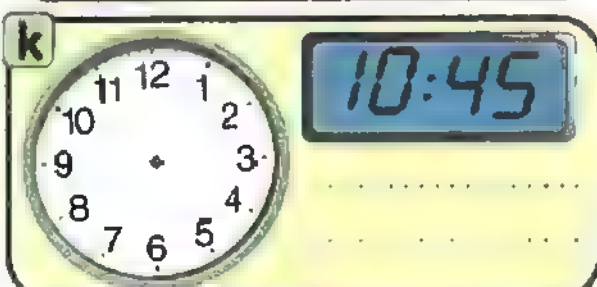
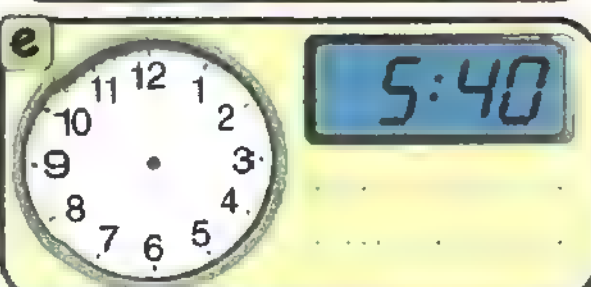
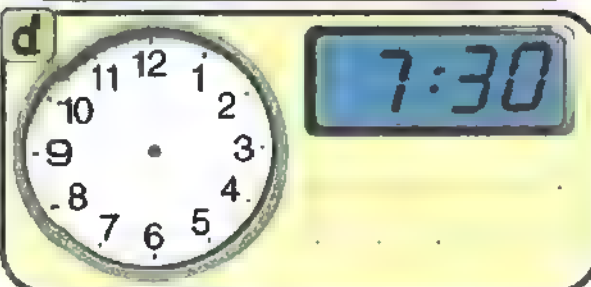
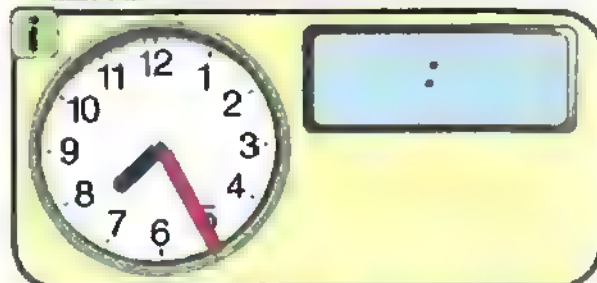
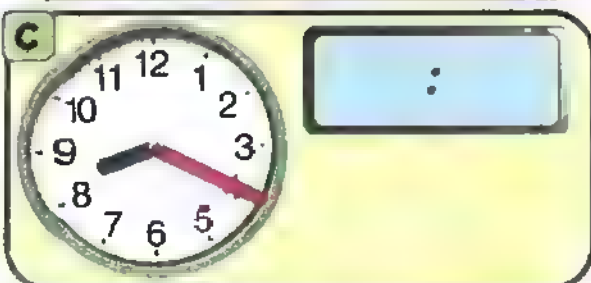
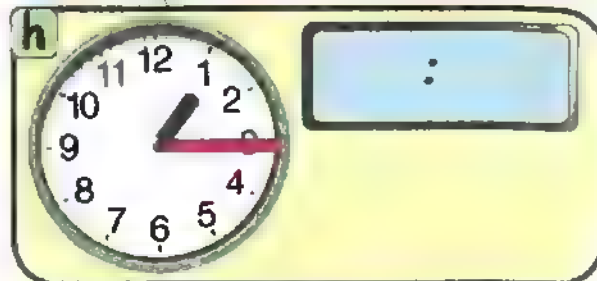
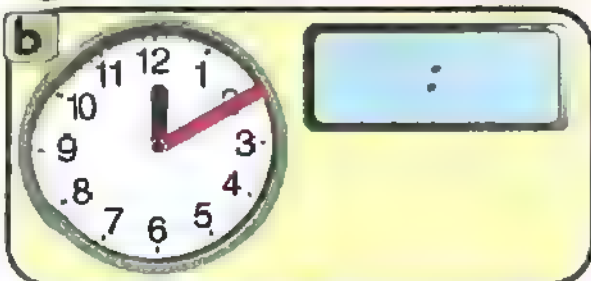
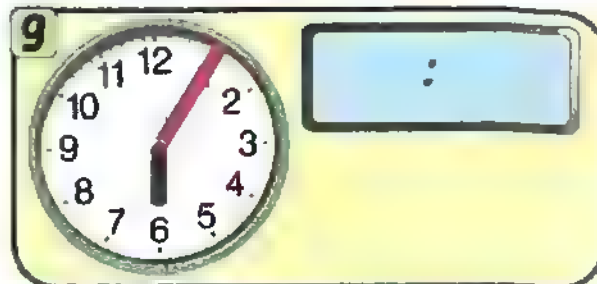
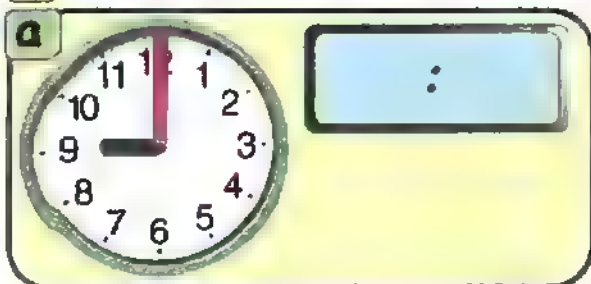
LESSON

2

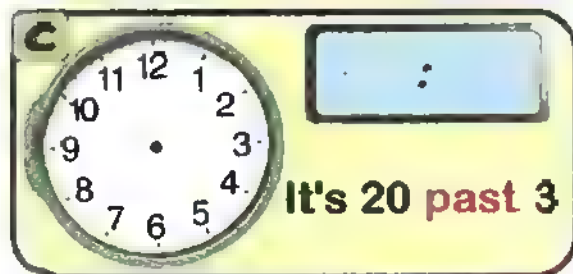
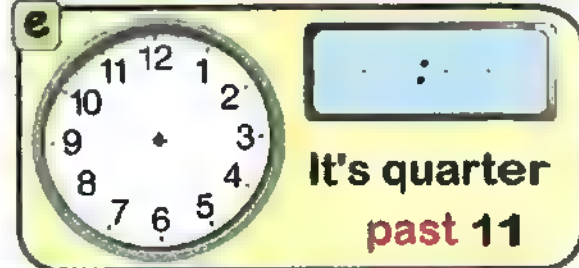
Telling the time



1 Write the time shown by the clock :



2 Complete the following



- 3** You leave school at 3:00 and when you get home the clock looks like this :
How many minutes did it take you to walk home ?

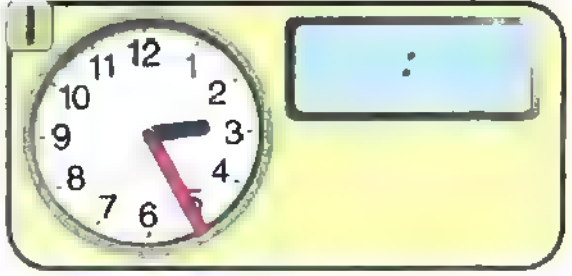
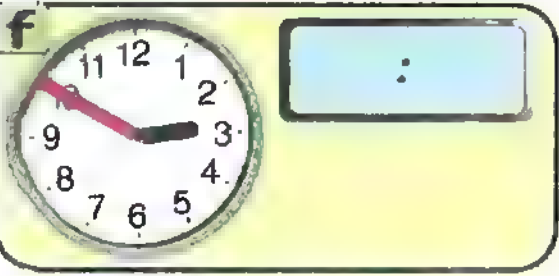
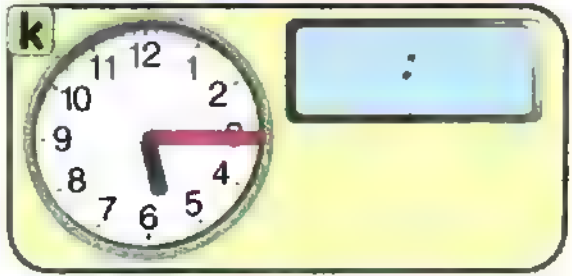
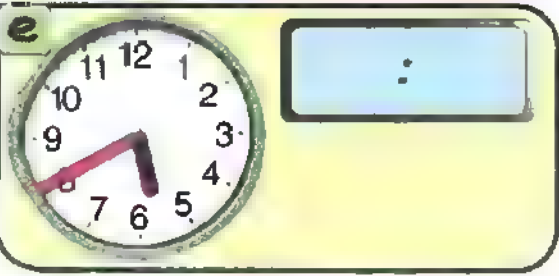
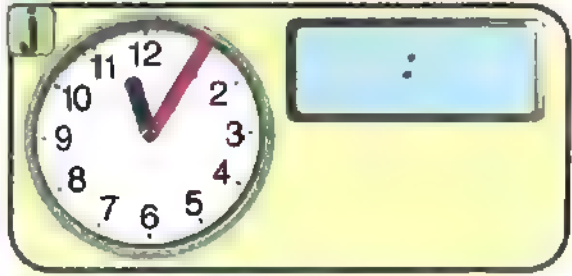
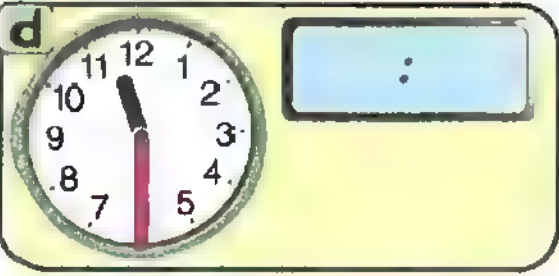
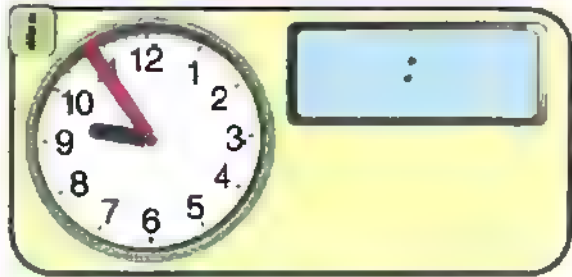
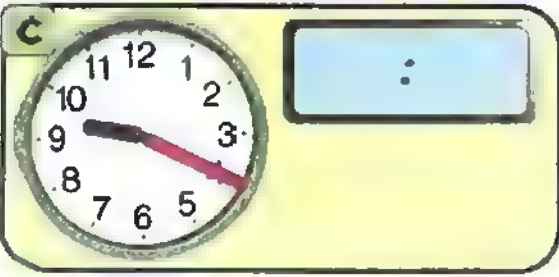
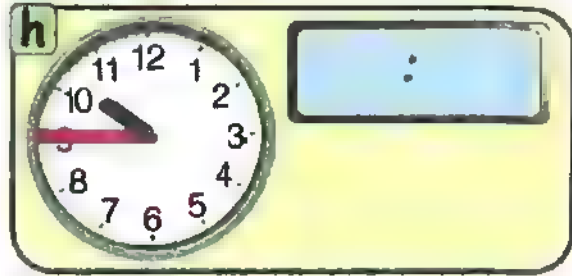
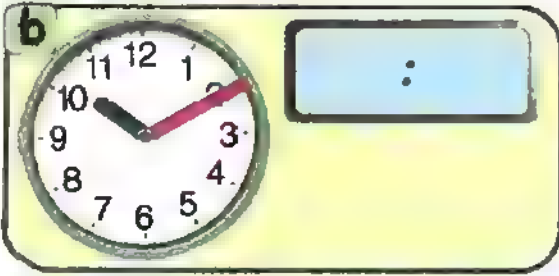
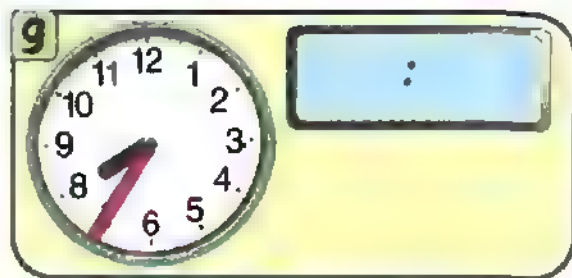
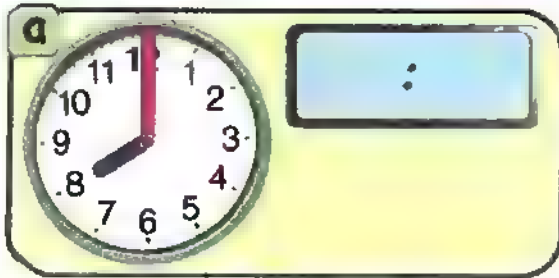


- 4** If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home?
Draw the time on the clock.

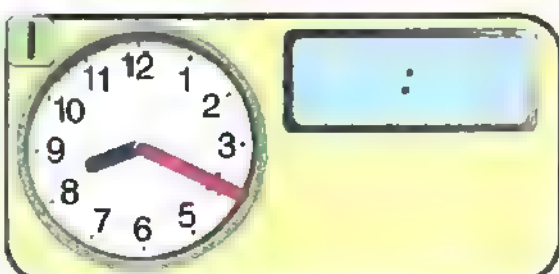
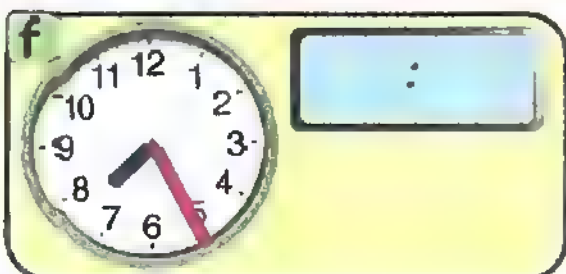
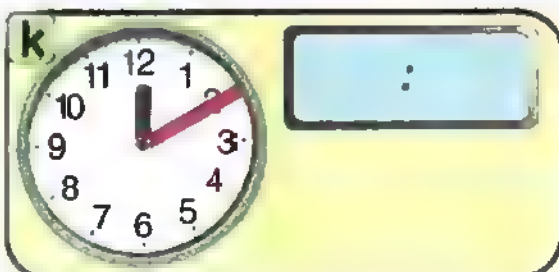
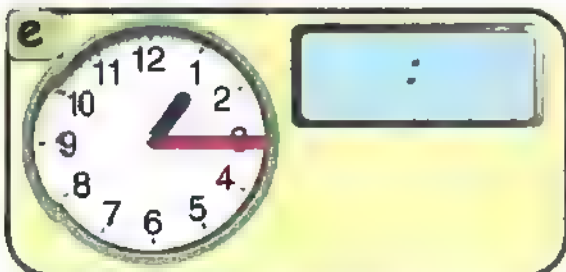
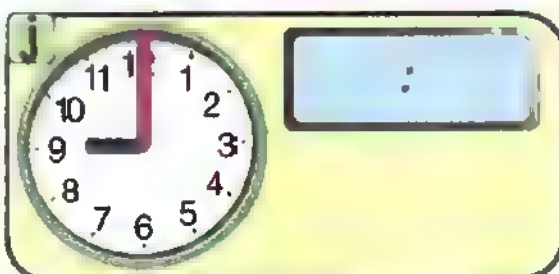
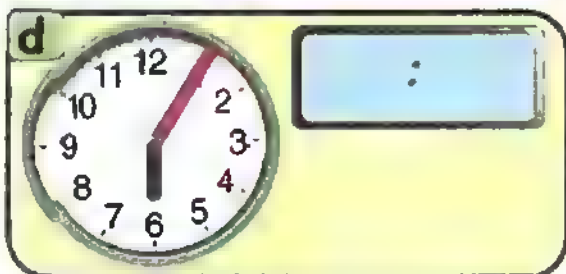
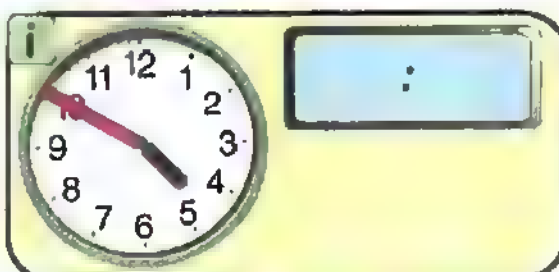
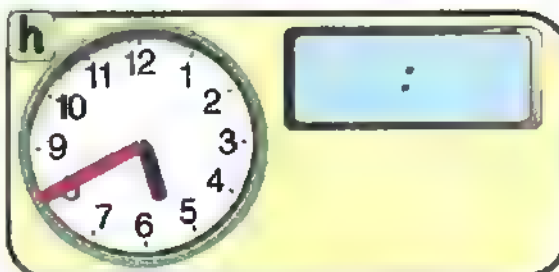
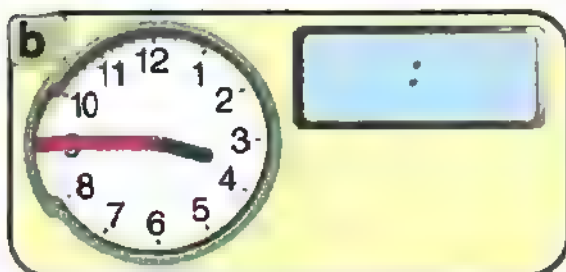
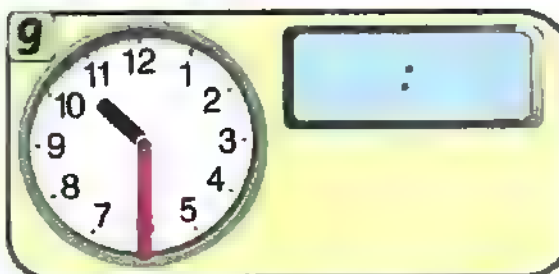
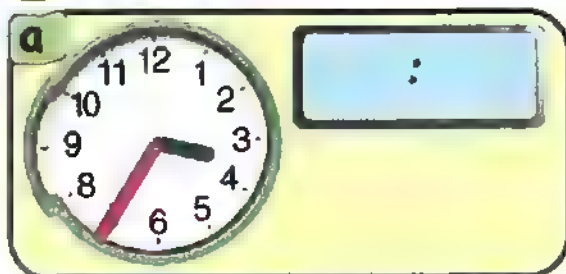




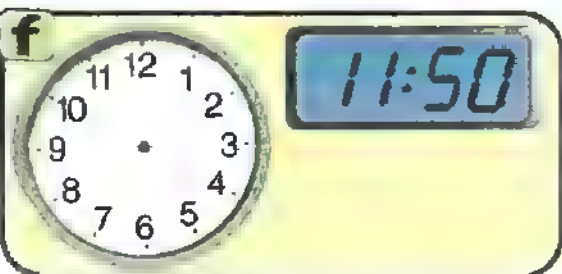
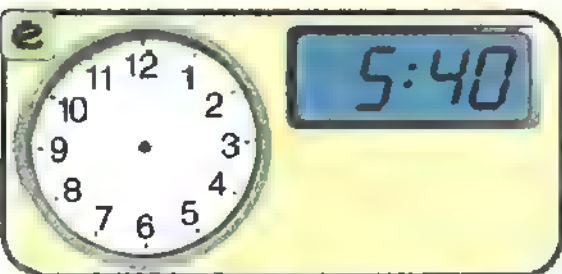
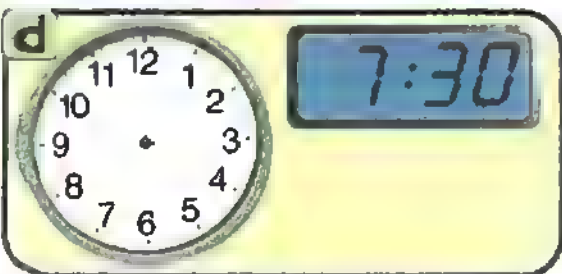
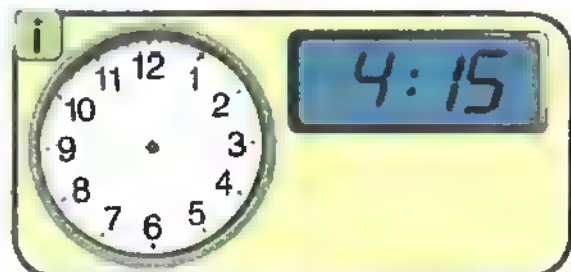
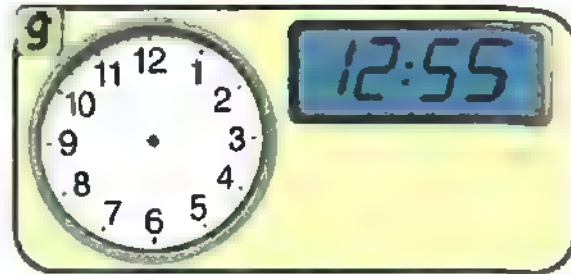
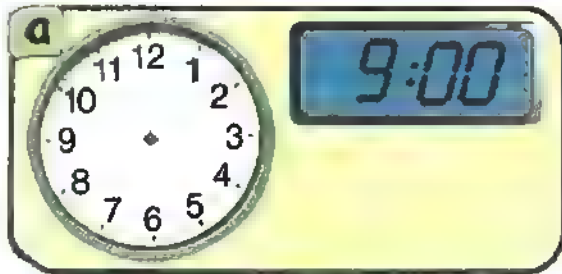
Write the time shown by the clock :

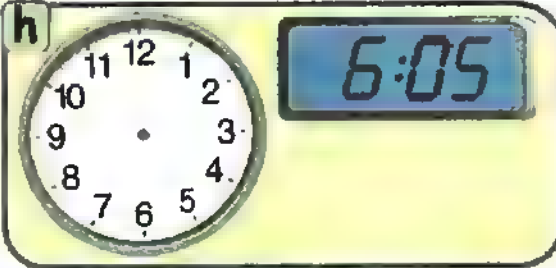
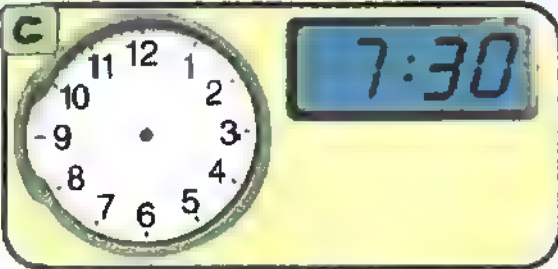
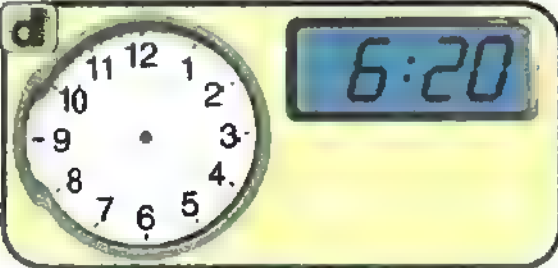
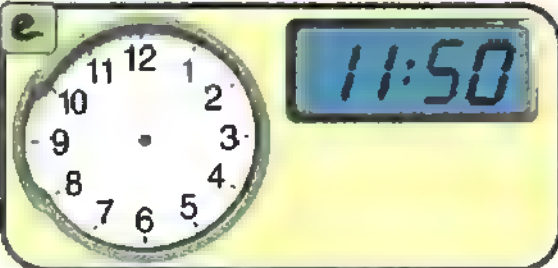
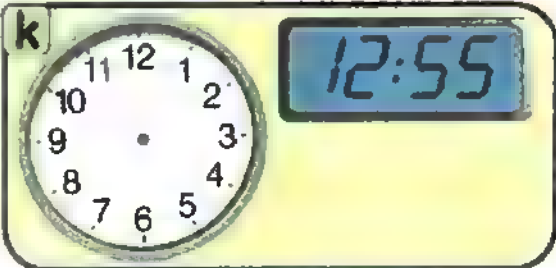
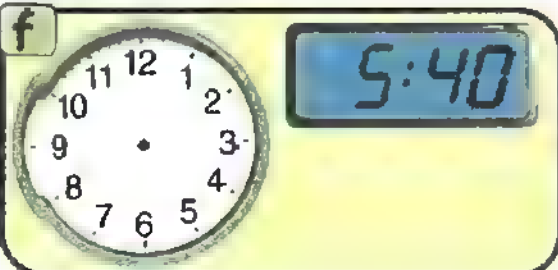


2 Write the time shown by the clock :




3 Write the time shown by the clock :




4 Write the time shown by the clock :**a****g****b****h****c****i****d****j****e****k****f****l**

5 Complete the following



It's 10 **past** 5



It's quarter **past** 11




It's 9 **O'clock**



It's 5 **past** 7




It's half **past** 2




It's 25 **to** 4




It's 20 **past** 3



It's 25 **past** 1



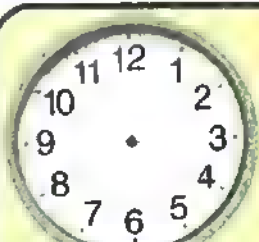
It's 10 **to** 10



It's 5 **to** 12



It's 20 **past** 6



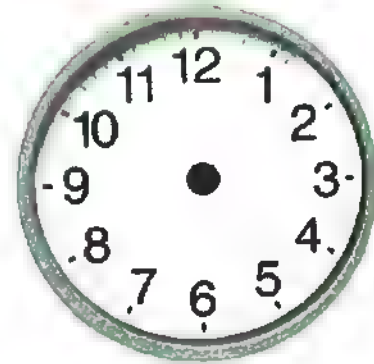
It's quarter **to** 8

- 6** You leave school at 3:00 and when you get home the clock looks like this :



How many minutes did it take you to walk home ?

- 7** If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home? Draw the time on the clock.



- 8** Your mom puts muffins in the oven at 7:00. When you take them out, the clock looks like this:



How many minutes did it take to bake the muffins?

- 9** If Ahmed takes 30 minutes to go to the club from home and leave at 8:00, at any time will he be when he arrives at the club? Draw the time on the clock.





First Choose the correct answer

- a $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = \dots$ (3×3 or $3 + 8$ or 4×6)
- b $720\ 072 = 72 + \dots$ ($720\ 000$ or $7\ 200$ or 720)
- c $50 \times 8 = 10 \times \dots$ (400 or 40 or 4)
- d The value of the digit 3 in the number 35 689 is
($300\ 000$ or $30\ 000$ or $3\ 000$)
- e The largest 5-digit number is
($10\ 000$ or $98\ 765$ or $99\ 999$)

Second Complete the following

- a The number that comes right after 60 099 is
- b $8 \times 5 + 8 \times 10 = 8 \times \dots$
- c An hour + 40 minutes = minutes
- d $\dots \div 8 = 6$
- e 60 020 (In word form) :

Third Answer the following

- a Arrange the following numbers in an ascending order .

2 458 , 6 854 , 8 214 , 1 024 , 4 325

.....,,,,

- b Each T-shirt costs LE 70 , How much do 9 T-shirts cost ?

.....

.....

- c The time is now 7:00,
what time is after 40 minutes
Draw the time on the clock.

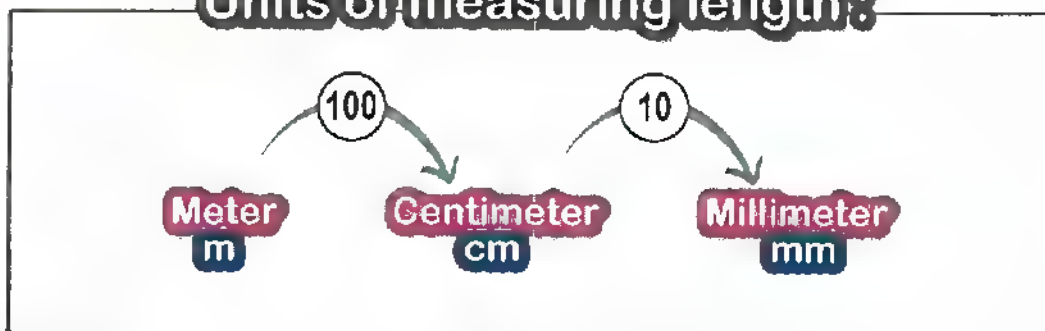


LESSON

3

The length

Units of measuring length:



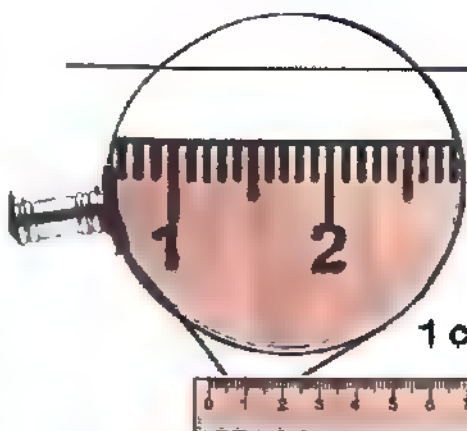
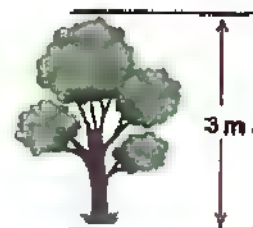
Millimeter
(mm.) is used to measure
very small things,
such as small insects



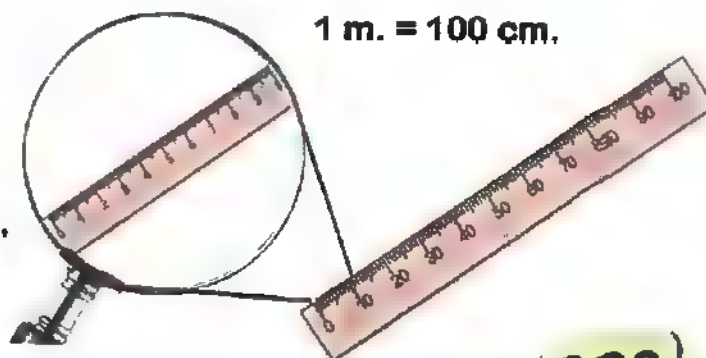
Centimeter
(cm.) is used to measure
small things,
such as pens and books ...



Meter
(m.) is used to measure
tall objects,
such as trees and buildings ...



1 cm. = 10 mm.

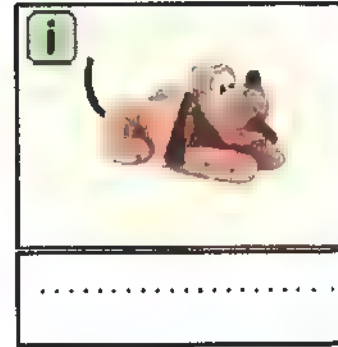
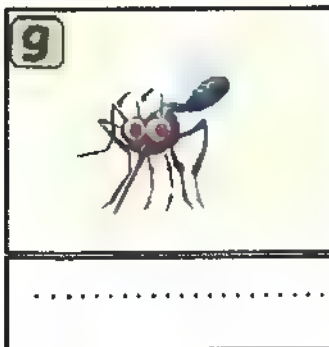
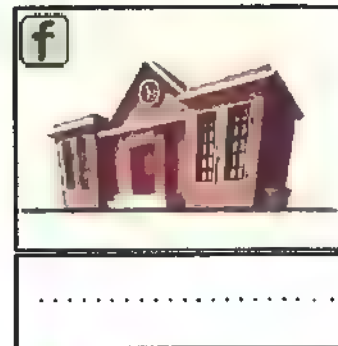
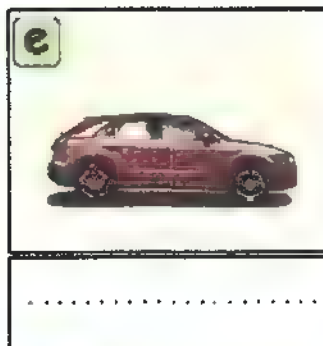
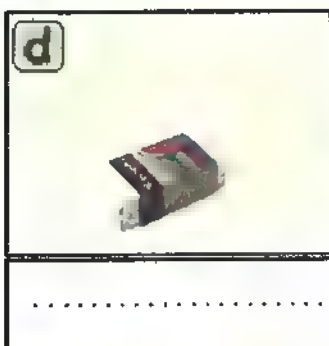
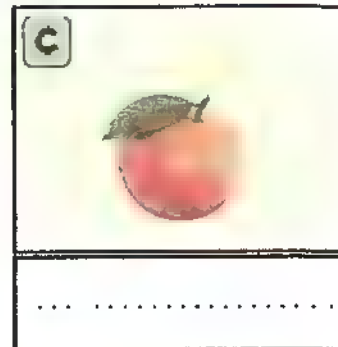
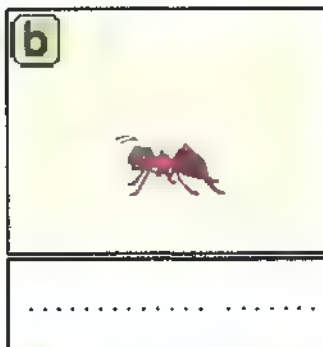
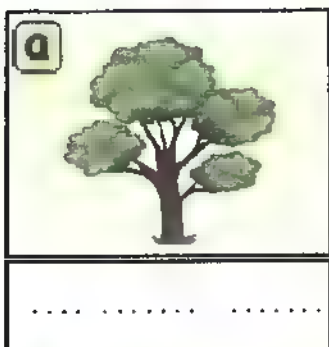


1 m. = 100 cm.

1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (mm) , centimeter (cm) or meters (m).]

Then write it under the picture



2 Complete :

a $5 \text{ cm} = \dots\dots\dots \text{ mm}.$

c $7 \text{ m} = \dots\dots\dots \text{ cm}$

b $60 \text{ mm} = \dots\dots\dots \text{ cm}$

d $700 \text{ cm} = \dots\dots\dots \text{ m}.$

e $8 \text{ cm} + 5 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$

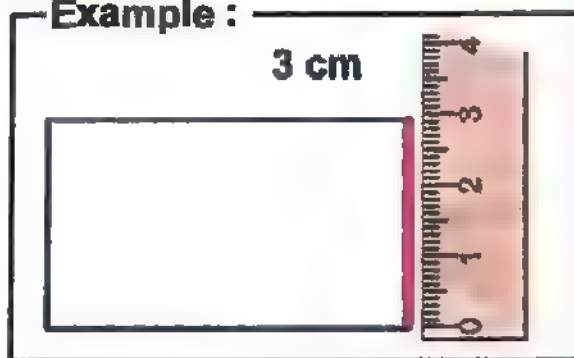
f $5 \text{ m} + 40 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$

g $162 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$

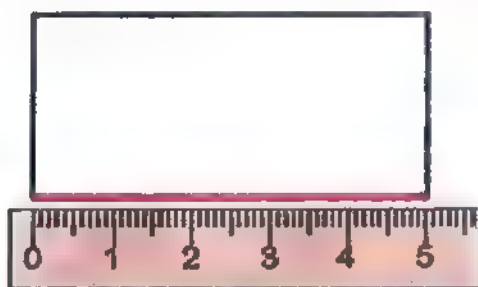
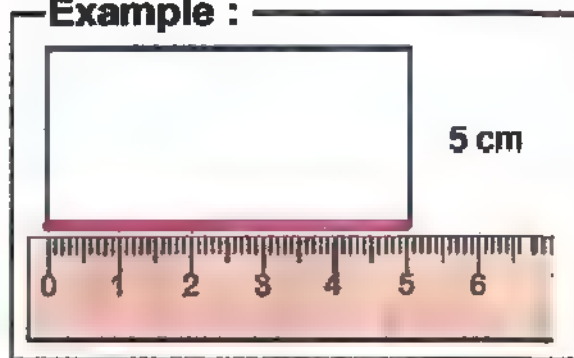
h $270 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$

3 Measure the red side length using the ruler :

Example :



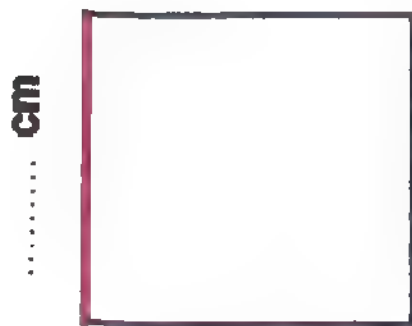
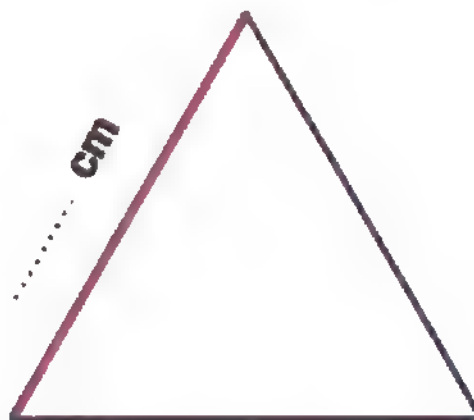
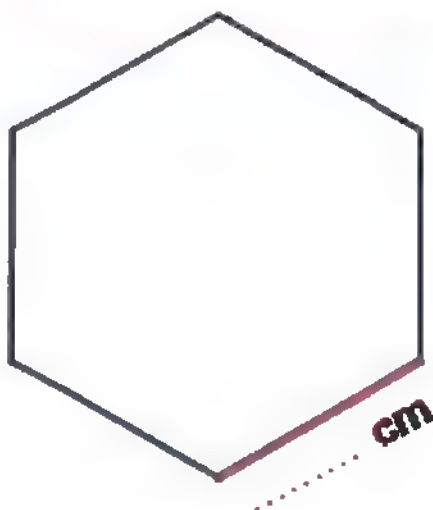
Example :



..... cm



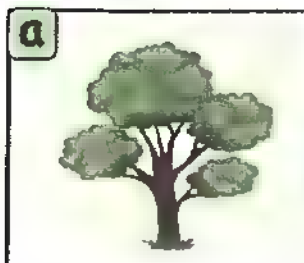
..... cm



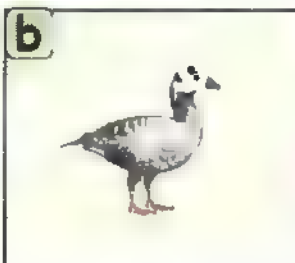
1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (mm) , centimeter (cm) or meters (m) .]

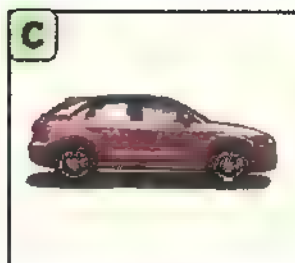
Then write it under the picture



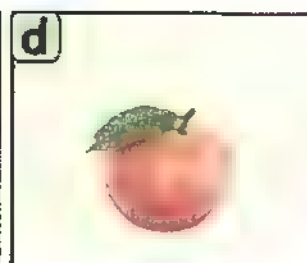
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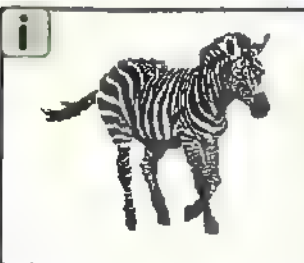
.....



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.....

2 Complete :

(1) $4 \text{ cm} = \dots\dots\dots \text{ mm.}$

(2) $5 \text{ cm} = \dots\dots\dots \text{ mm.}$

(3) $10 \text{ cm} = \dots\dots\dots \text{ mm.}$

(4) $80 \text{ mm} = \dots\dots\dots \text{ cm}$

(5) $60 \text{ mm} = \dots\dots\dots \text{ cm}$

(6) $600 \text{ mm} = \dots\dots\dots \text{ cm}$

(7) $700 \text{ mm} = \dots\dots\dots \text{ cm}$

(8) $6 \text{ m} = \dots\dots\dots \text{ cm}$

(9) $7 \text{ m} = \dots\dots\dots \text{ cm}$

(10) $12 \text{ m} = \dots\dots\dots \text{ cm}$

(11) $200 \text{ cm} = \dots\dots\dots \text{ m.}$

(12) $700 \text{ cm} = \dots\dots\dots \text{ m.}$

(13) $5\,000 \text{ cm} = \dots\dots\dots \text{ m.}$

(14) $4\,000 \text{ cm} = \dots\dots\dots \text{ m.}$

(15) $8 \text{ cm} + 5 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm.}$

(16) $6 \text{ cm} + 7 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm.}$

(17) $12 \text{ cm} + 8 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm.}$

(18) $5 \text{ m} + 40 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm.}$

(19) $2 \text{ m} + 25 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm.}$

(20) $20 \text{ m} + 12 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm.}$

(21) $67 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm.}$

(22) $95 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm.}$

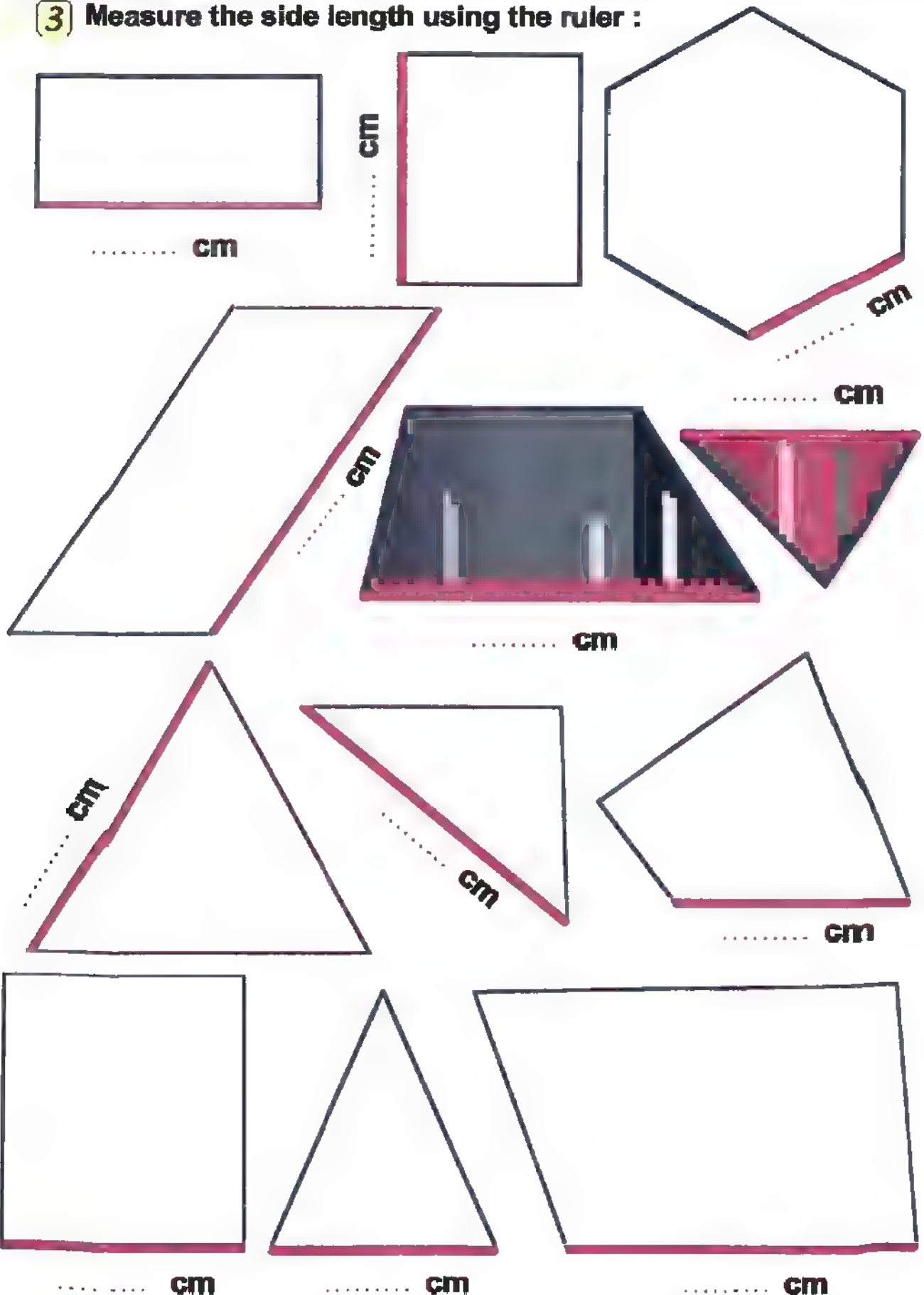
(23) $162 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm.}$

(24) $225 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm.}$

(25) $270 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm.}$

(26) $4\,550 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm.}$


3 Measure the side length using the ruler :



First Choose the correct answer

- a $10\text{ cm} + 5\text{ mm} = \dots\dots\text{ mm}$ (105 or 15 or 1 005)
- b $15\text{ m} = \dots\dots\text{ cm.}$ (15 or 150 or 1 500)
- c $500 + 0 + 0 + 6 = \dots\dots\dots$ (500 006 or 50 006 or 50 6)
- d The number comes right after 30 999 is $\dots\dots\dots$
(31 000 or 30 100 or 31 999)
- e The largest 5-different-digit number is $\dots\dots\dots$
(99 999 or 98 765 or 10 234)

Second Complete the following

- a $205\text{ cm} = \dots\dots\text{ m} + \dots\dots\text{ cm}$
- b $15\ 204 = \dots\dots\text{ thousands} + \dots\dots\text{ hundreds} + \dots\dots\text{ tens} + \dots\dots\text{ ones}$
- c The value of the digit 0 in the number 30 159 is $\dots\dots\dots$
- d Two hundred thousand and two (In digits) : $\dots\dots\dots$
- e  , $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

Third Answer the following

- a Find the result :
(1) $859 + 141 = \dots\dots\dots$ (2) $700 - 125 = \dots\dots\dots$ (3) $45 \div 5 = \dots\dots\dots$
- b Complete using ($<$, $=$ or $>$) :
(1) $50\text{ m} + 25\text{ cm}$ 525 cm (2) 6×6 9×4
(3) $8\text{ cm} + 5\text{ mm}$ 805 cm (4) $18 \div 2$ $42 \div 7$
- c Arrange the following length in an ascending order :
 5 cm , 50 m , 500 mm , 550 cm
 $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

LESSON 4

Two-dimensional shapes (2D-shapes)

Polygon

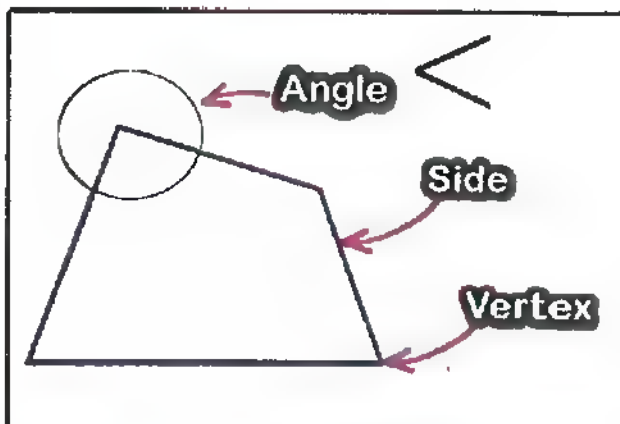
A closed shape formed from 3 line segments or more.



A polygon



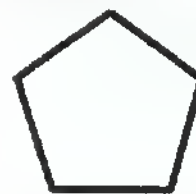
Not a polygon



Triangle
3 Sides



Quadrilateral
4 Sides



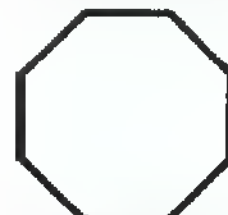
Pentagon
5 Sides



Hexagon
6 Sides



Heptagon
7 Sides



Octagon
8 Sides

In any polygon
the number of sides = the number of angles = the number of vertices

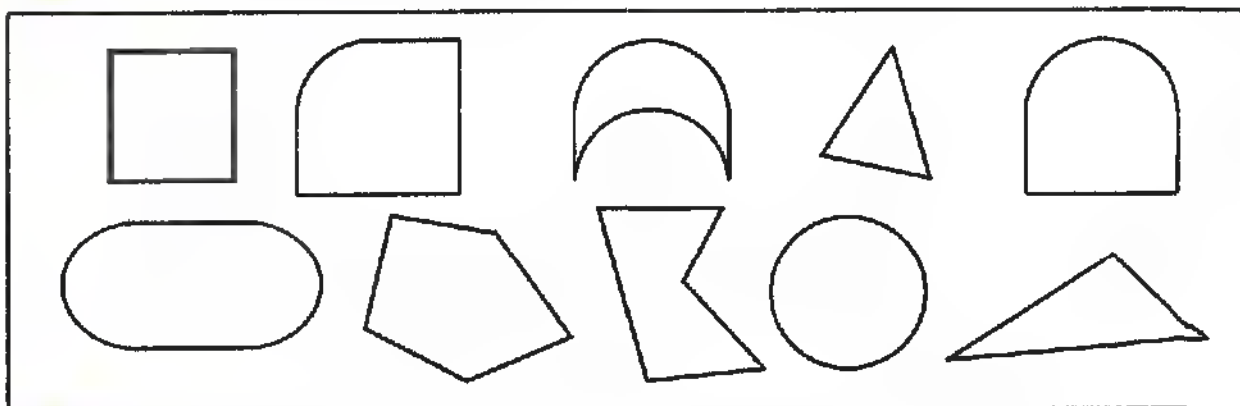
Regular Polygon



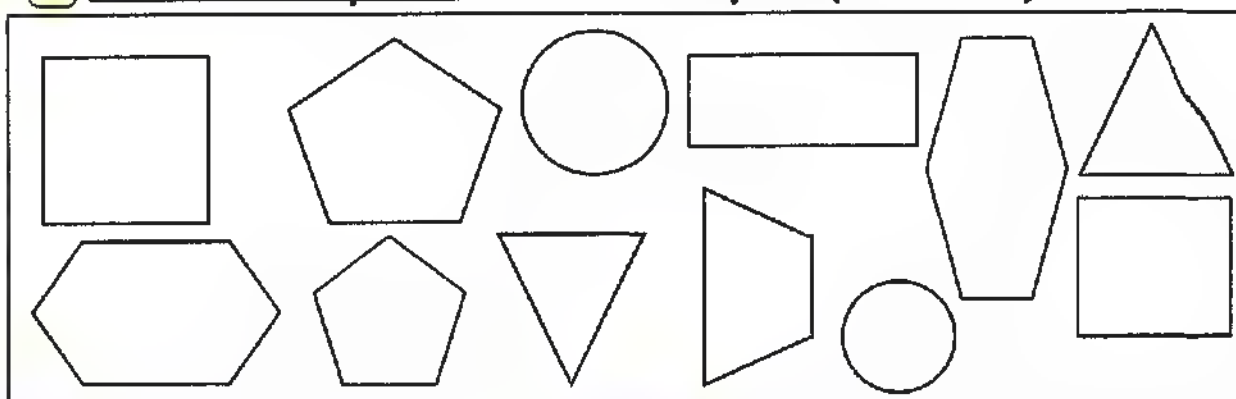
Irregular Polygon



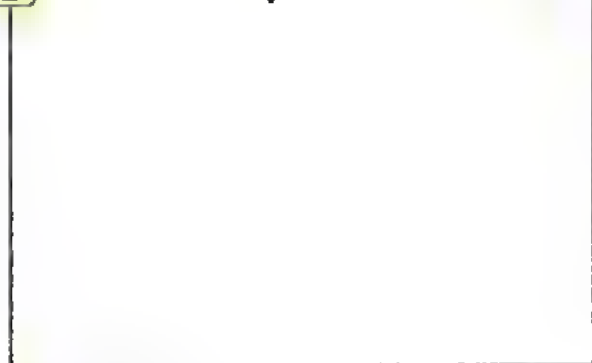
1 Color only polygons :



2 Color The quadrilateral shapes (4 sides) :



3 Draw a shape with 5 sides



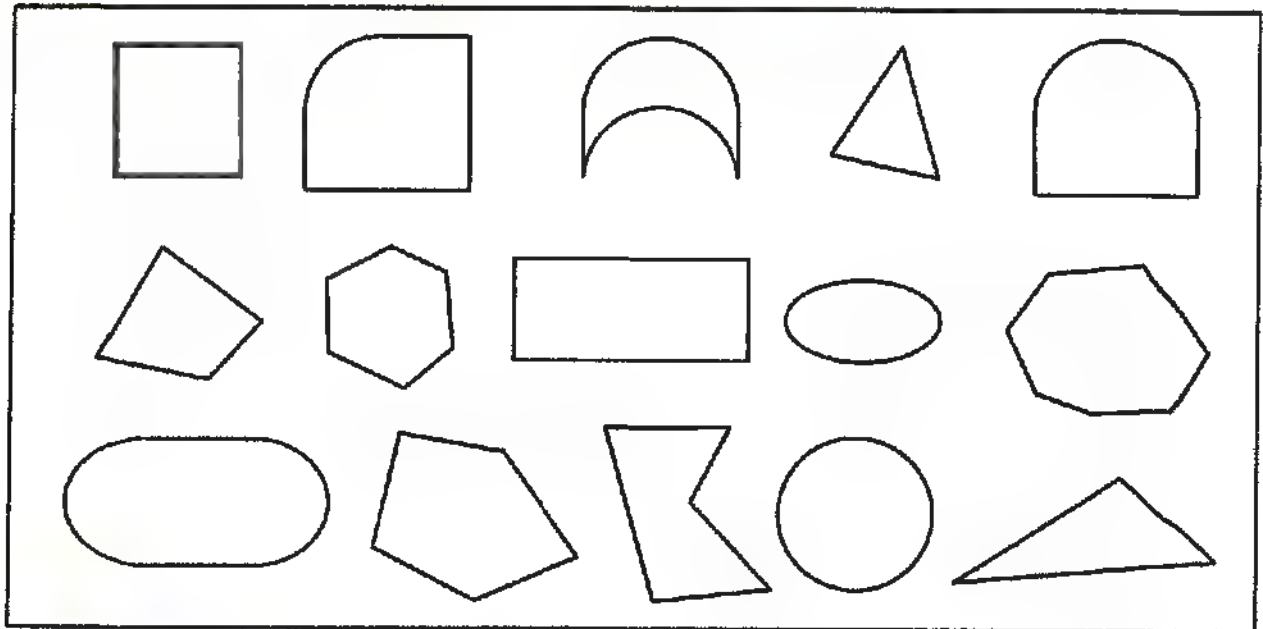
4 Draw a shape with 3 sides



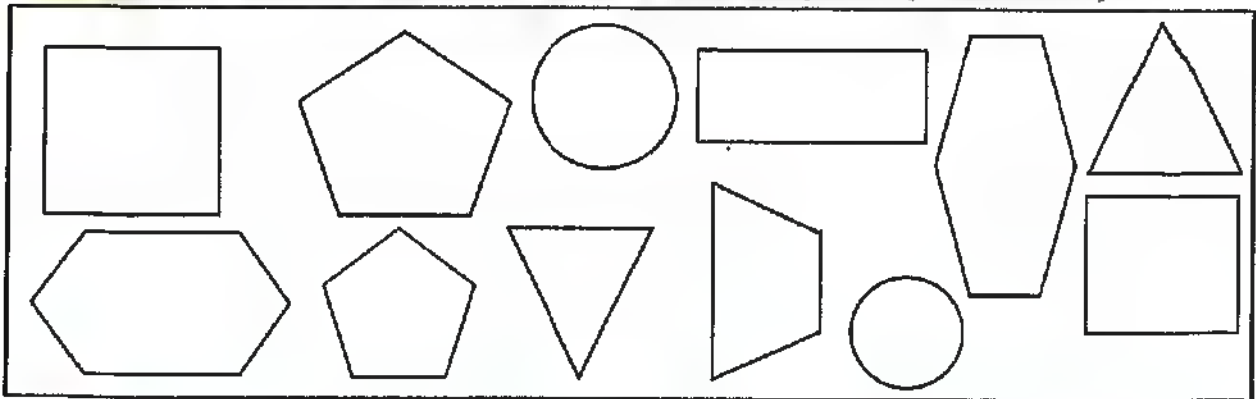
5 Complete :

- a** The triangle has sides , angles and vertices.
- b** The has 5 sides and has 6 sides.
- c** The octagon has angles and the has 7 sides.
- d** The is a polygon that has 4 sides

1 Color only polygons :



2 a Color The quadrilateral shapes (4 sides) :



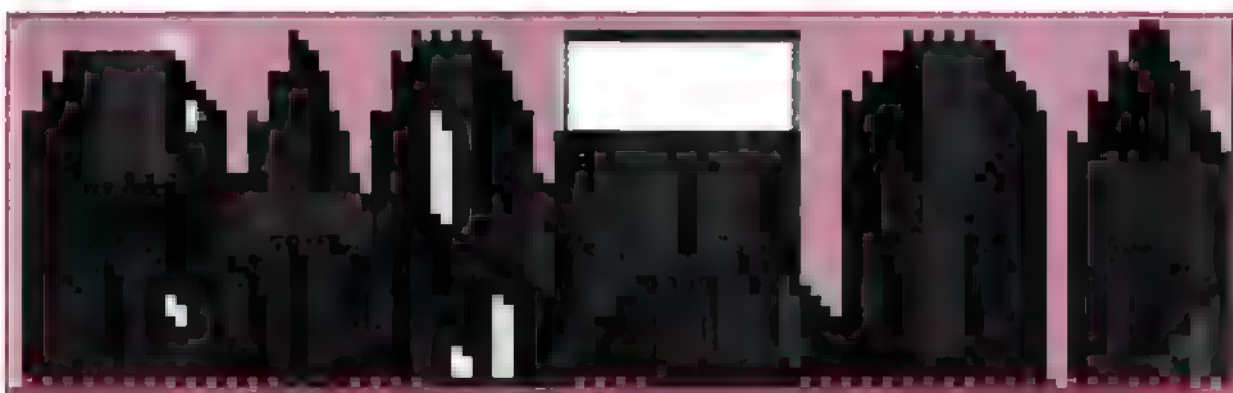
b Color the triangles (3 sides)



c Color the pentagon (5 sides)



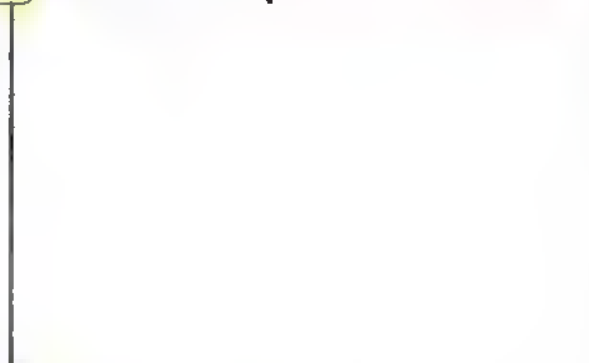
d Color the pentagon (6 sides)



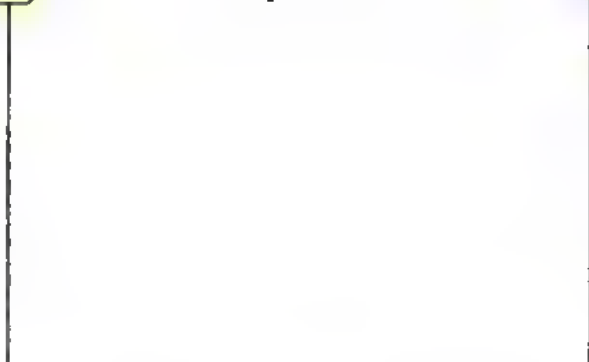
3 Draw a shape with 3 sides



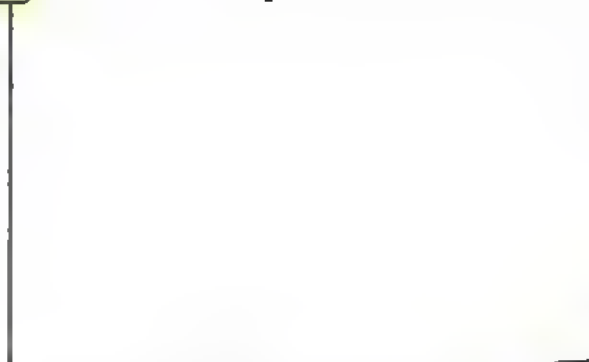
4 Draw a shape with 4 sides



5 Draw a shape with 5 sides



6 Draw a shape with 6 sides



7 Complete :

- a** The triangle has sides , angles and vertices.
- b** The octagon has sides , angles and vertices.
- c** The pentagon has sides , angles and vertices.
- d** The hexagon has sides , angles and vertices.
- e** The has 5 sides and has 6 sides.
- f** The has 7 sides and has 3 sides.
- g** The octagon has angles and the has 7 angles
- h** The triangle has angles and the has 4 angles

8 Write down the name of each polygon



.....



.....



.....



.....



.....



.....

First Choose the correct answer

- a 10 thousands + 10 hundreds + 10 tens =
(101 010 or 11 100 or 10 110)
- b $8 + 8 + 8 + 8 =$ (8×8 or $8 + 4$ or 8×4)
- c The quadrilateral has sides (3 or 4 or 5)
- d $50 \text{ cm} + 5 \text{ mm} =$ mm (505 or 55 or 10)
- e An hour + 10 minutes = minutes (110 or 130 or 70)

Second Complete the following

- a The polygon that has 5 angles is called
- b 150 minutes = hours + minutes .
- c $2015 \text{ cm} =$ m + cm
- d The smallest 5-digit number that can be formed from the digit (3 , 8 and 7) is
- e 70 , 63 , 56 , 49 , , ,

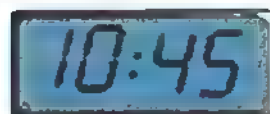
Third Answer the following

- a Find the result :

(1) $456 + 234 =$ (3) $40 \times 8 =$

(2) $6\,000 - 125 =$ (4) $56 \div 7 =$

- b Write the time shown in the clock :



- c Each pen cost LE 9 . How many pens can you buy for LE 63 ?

LESSON 5

Quadri terals

Types of angles



Acute angle



Right angle



Obtuse angle

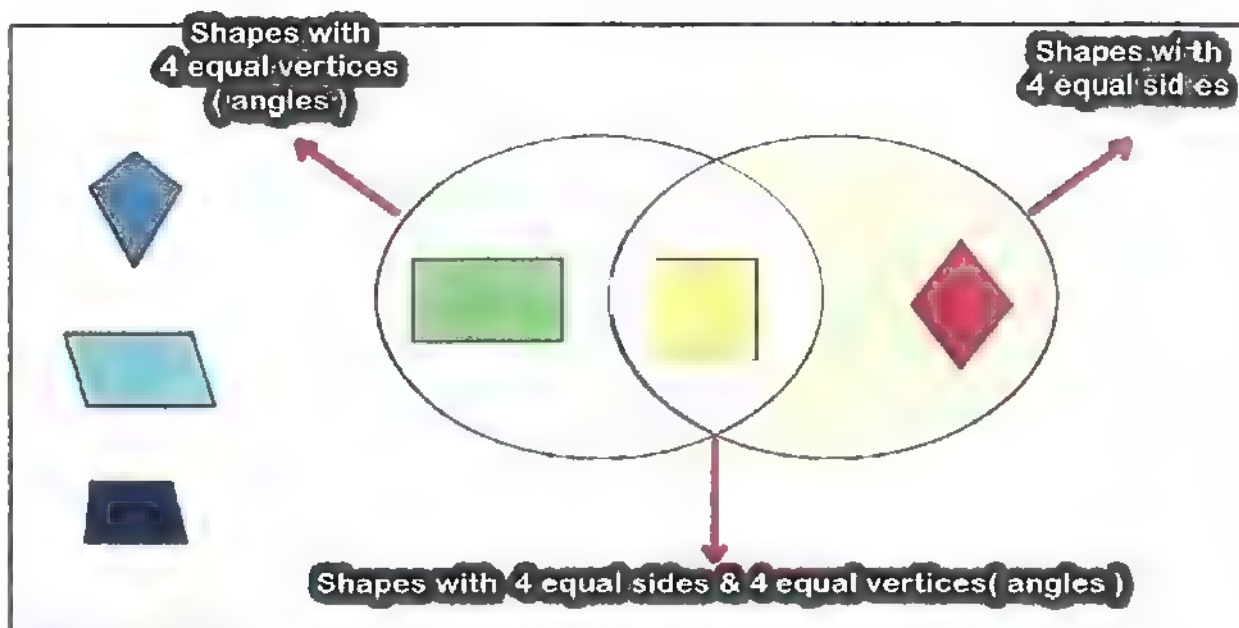


Straight angle

Quadrilateral	Properties	
	Sides	Angles
 Parallelogram	Each Two opposite sides are equal and parallel	Each two opposite angles are equal
 Rectangle	Each Two opposite sides are equal and parallel	All angles are equal each angle is right angle
 Square	Each Two opposite sides are parallel All sides are equal	All angles are equal each angle is right angle
 Rhombus	Each Two opposite sides are parallel All sides are equal	Each two opposite angles are equal
 Trapezium Trapezoid	Only one pair of opposite sides are parallel	
 Kite	Two pairs of adjacent sides are equal	One pair of opposite angles are equal

QUADRILATERAL is a polygon that has 4 sides , 4 vertices and 4 angles

Quadrilateral venn diagram:



1 Match each quadrilateral to its name :

Kite

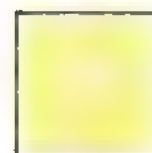
Parallelogram

Trapezoid

Rectangle

Rhombus

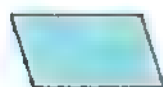
square



2 Match each quadrant with a compatible property :

a

Each two opposite sides are equal



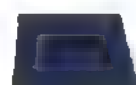
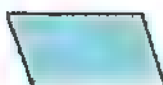
b

Each Two opposite angles are equal



c

All sides are equal in length



3 Complete

a All sides are equal in and.....

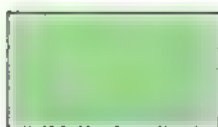
b All angles are equal in and.....

c has only one pair of opposite sides are parallel.

d two pairs of adjacent sides are equal and one pair of opposite angles are equal

HOMEWORK

1 Write the name of each quadrilateral :



2 Match each quadrilateral to its name :

Kite

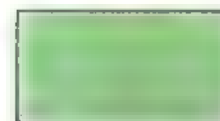
Parallelogram

Trapezoid

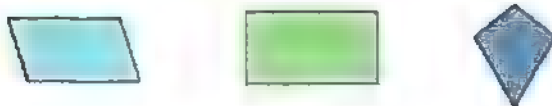

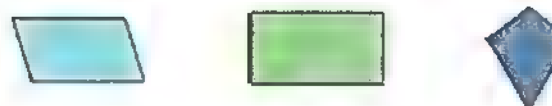





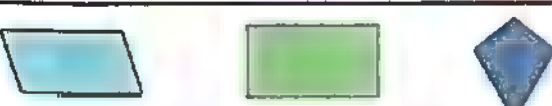

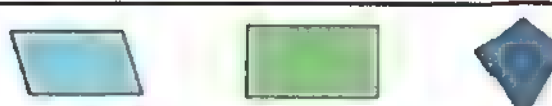

Rectangle

Rhombus

square



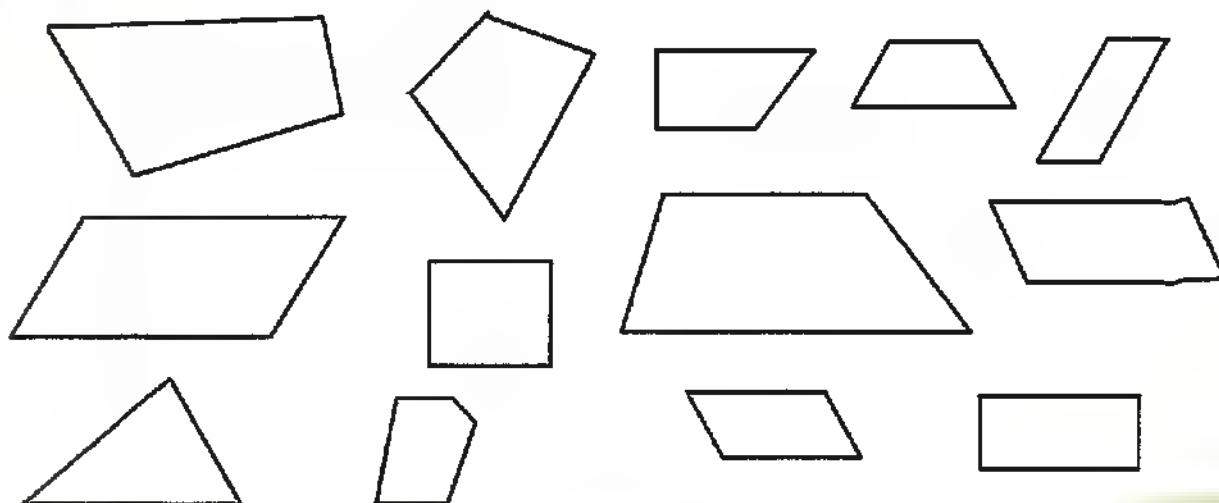
3 Match each quadrant with a compatible property :

 <p>a Each Two opposite sides are parallel and All sides are equal</p> 	 <p>b Each Two opposite sides are equal and parallel</p> 
 <p>c All angles are equal each angle is right angle</p> 	 <p>d Each two opposite angles are equal</p> 
 <p>e One pair of opposite angles are equal and Two pairs of adjacent sides are equal</p> 	 <p>f Only one pair of opposite sides are parallel</p> 

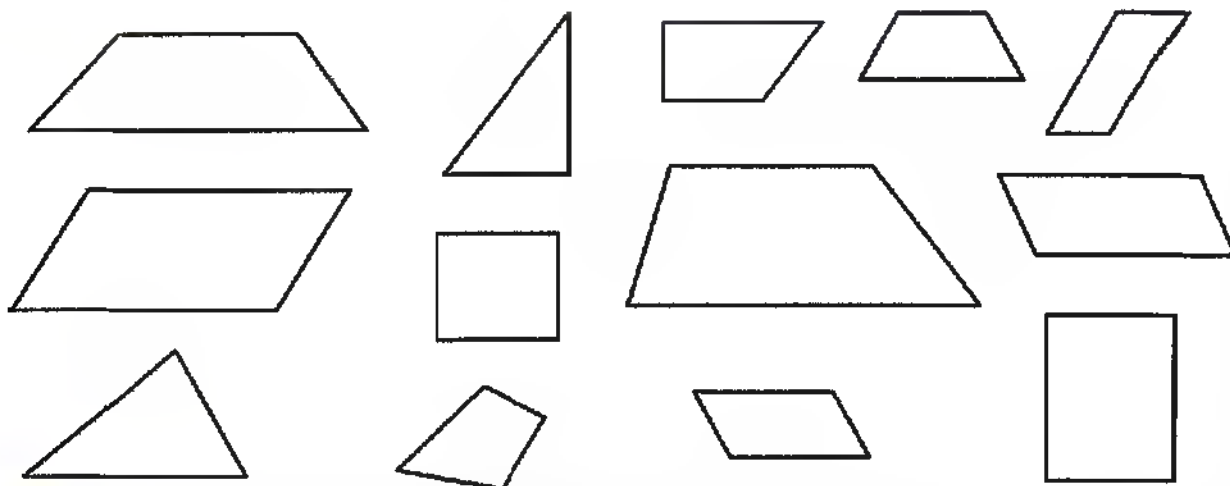
4 Complete :

- a** The quadrilateral is a polygon that has sides.
- b** Each two opposite sides are equal and parallel in , , ,
- c** All sides are equal in and
- d** All angles are equal in and
- e** Only one pair of opposite sides are parallel in
- f** Two pairs of adjacent sides are equal in
- g** In the parallelogram each two opposite sides are
- h** In the rectangle all angles are
- i** In the square all sides are and all angles are
- j** In the rhombus , only one pair of opposite sides are
- k** In the kite two pairs of adjacent sides are

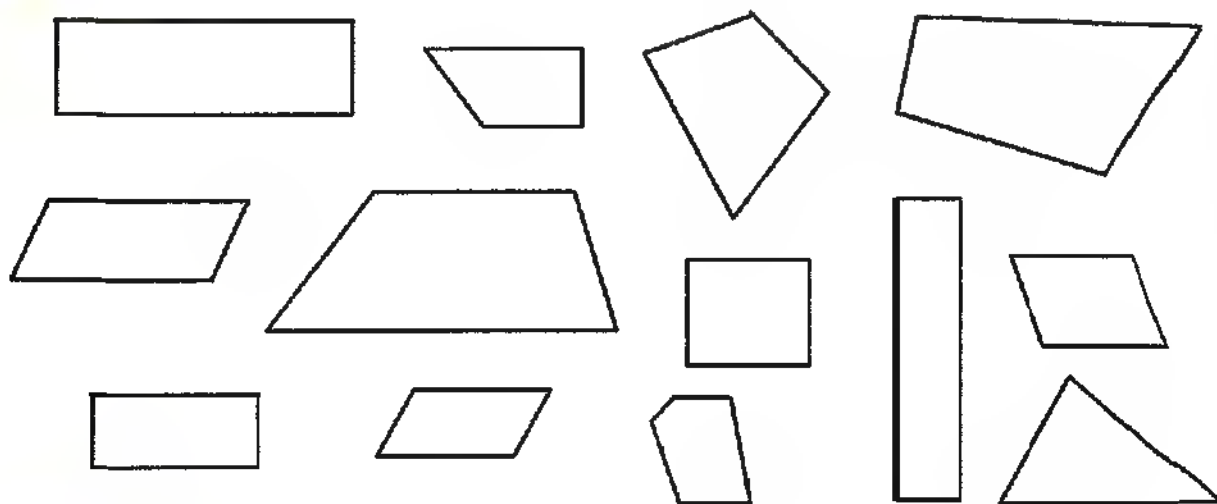
5 Color the parallelograms :



6 Color the trapezium :



7 Color the Rectangles :



8



Sheet 5

First Choose the correct answer

- a Each two opposite sides are parallel in
(Square or Trapezium or Kite)
- b The quadrilatera hasangles (3 or 4 or 5)
- c $9 + 9 + 9 + 9 + 9 = \dots\dots\dots$ (9×9 or 9×5 or $9 + 5$)
- d $9 \times 10 + 9 \times 7 = 9 \times \dots\dots\dots$ (10 or 7 or 17)
- e The value of the digit 5 in the number 50 112 is
(50 000 or 5 000 or 500)

Second Complete the following

- a 45 thousands + 10 hundreds + 5 ones =
- b The has 6 sides.
- c All angles are right angles in and
- d An hour and a half = + =
- e $205 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}$

Third Answer the following

- a Find the result :
- (1) $560 - 359 = \dots\dots\dots$ (3) $72 \div 9 = \dots\dots\dots$
- (2) $8 \times 50 = \dots\dots\dots$ (4) $50\,000 + 500 + 5 = \dots\dots\dots$

- b Write the name of each quadrilateral :



.....

.....

.....

.....

- a Each week has 7 days , How many days are there in 8 weeks ?

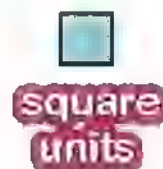
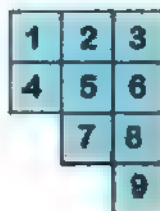
..... \times =

The Area

The amount of two-dimensional units occupied by the figure.
The number of square units in which the shape is formed

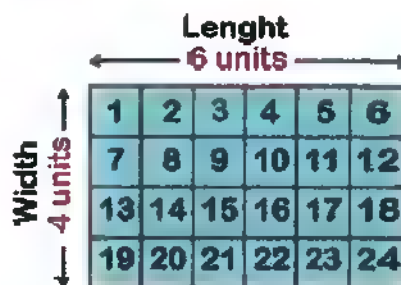
Example

The area = 9 square units
(Counting strategy)



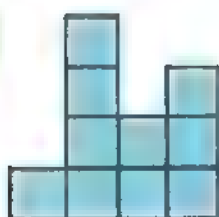
The area = 24 square units
(Counting strategy)

The area = $6 \times 4 = 24$ square units
(Length \times width strategy)



1 Find the area of each shape :

a



The area =
square units

b



The area =
square units

c

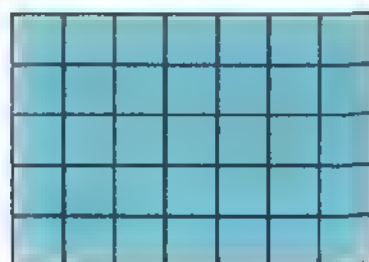


The area =
square units

d

The area = square units

The area = \times = square units



e

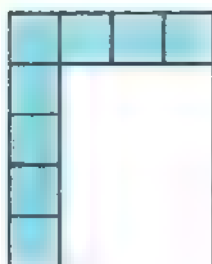
The area = square units

The area = \times = square units



2 Find the area of each shape :

a



The area

= X

= square
units

b



The area

= X

= square
units

c



The area

= X

= square
units

3

Heba has two rectangular gardens, one for lettuce and one for squash.

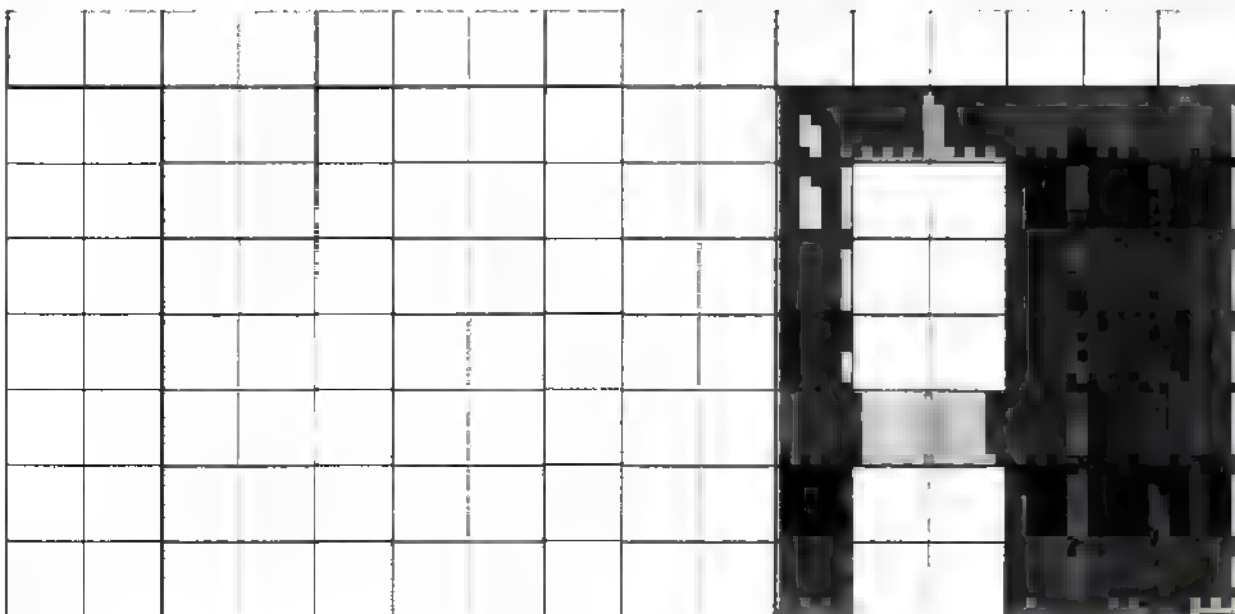
The squash takes up 12 square units and the lettuce takes up 10 square units. What could her gardens look like?

(Remember, the gardens are rectangles with the same number of square units in each row.)

Draw the gardens below. They must fit on the grid paper

$$12 = \dots \times \dots$$

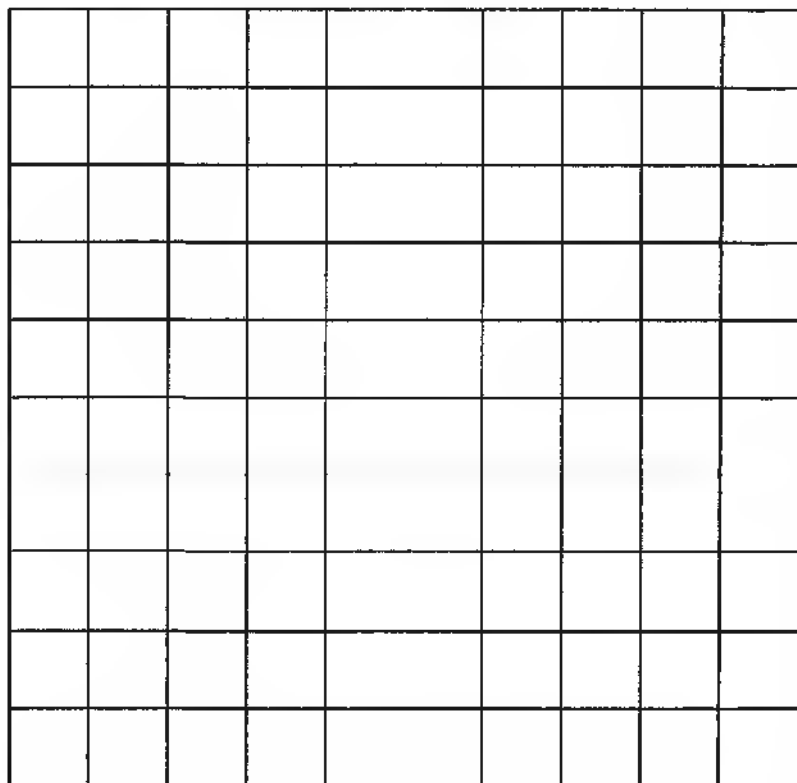
$$10 = \dots \times \dots$$



- 4** On the grid below, draw and label as many rectangles as you can with the given area.
Then write equations that match your rectangles.

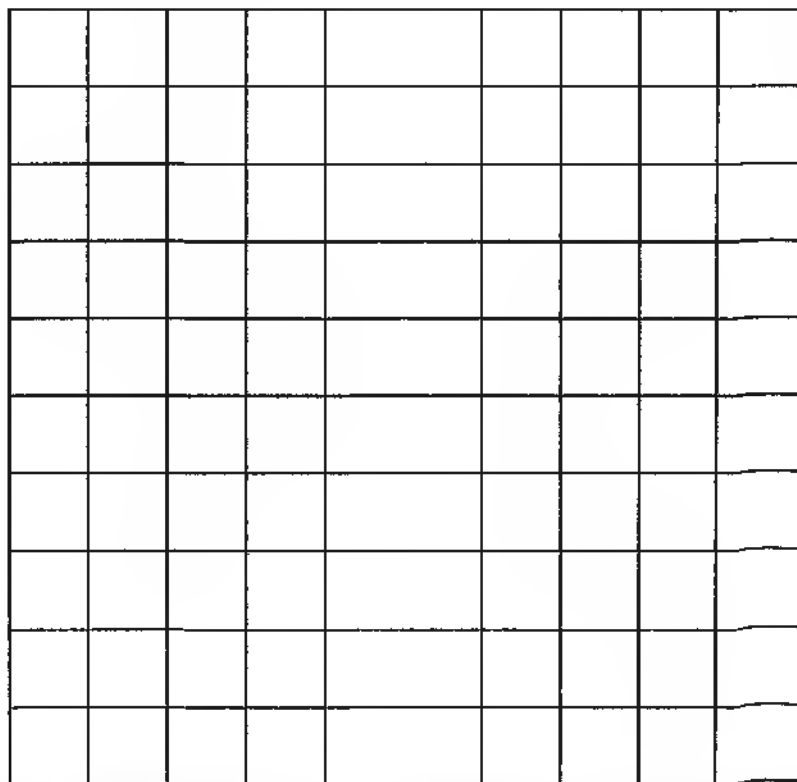
a 18 square units

.....
.....
.....
.....
.....
.....



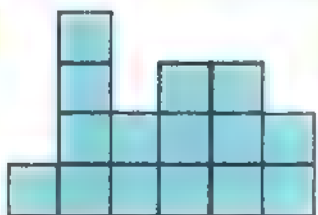
b 24 square units

.....
.....
.....
.....
.....
.....



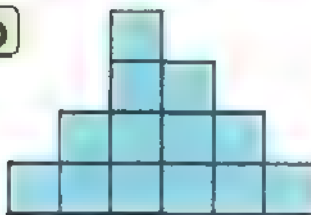
1 Find the area of each shape :

a



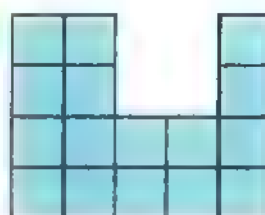
The area =
square units

b



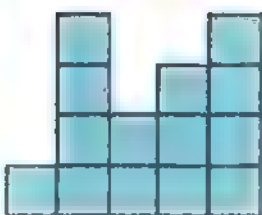
The area =
square units

c



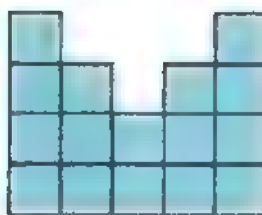
The area =
square units

d



The area =
square units

e



The area =
square units

f

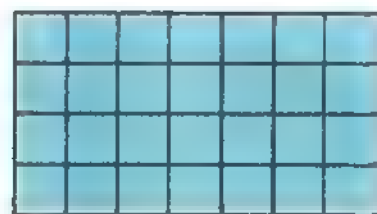


The area =
square units

g

The area = square units

The area = X = squre units



h

The area = square units

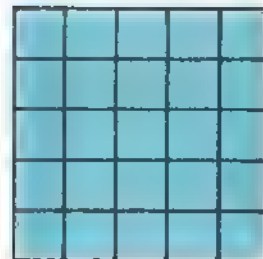
The area = X = squre units



i

The area = square units

The area = X = squre units



j

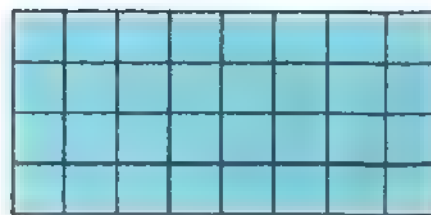
The area = square units

The area = X = squre units



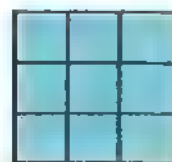
k The area = square units

The area = ... X ... = square units



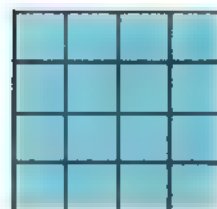
l The area = square units

The area = ... X ... = square units

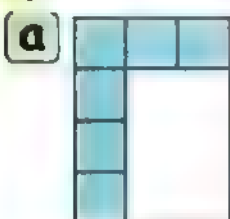


m The area = square units

The area = ... X ... = square units



2 Find the area of each shape :



The area
= X
= square units



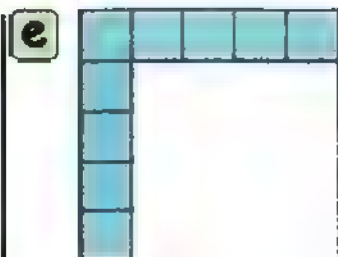
The area
= X
= square units



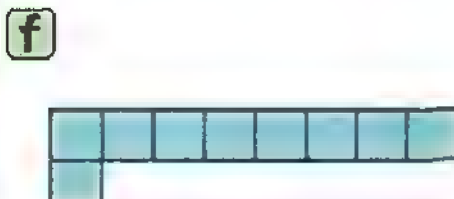
The area
= X
= square units



The area
= X
= square units



The area
= X
= square units



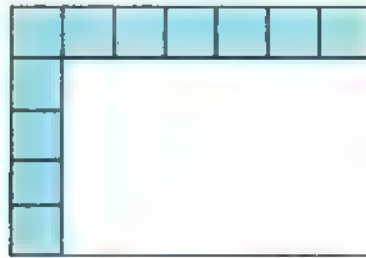
The area
= X
= square units

g



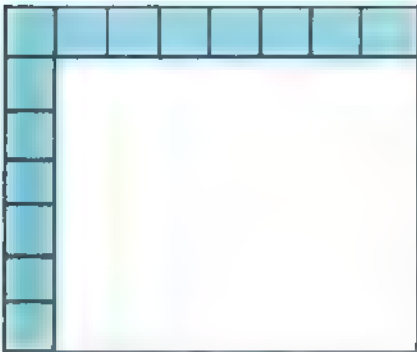
The area = \times
= square units

h



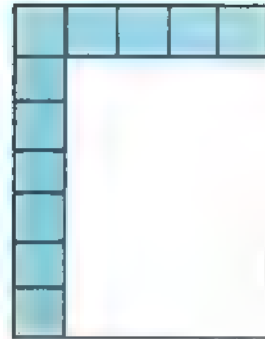
The area = \times
= square units

i



The area = \times
= square units

j



The area = \times
= square units

k



The area = \times
= square units

l



The area = \times
= square units

m



The area = \times
= square units

n



The area = \times
= square units

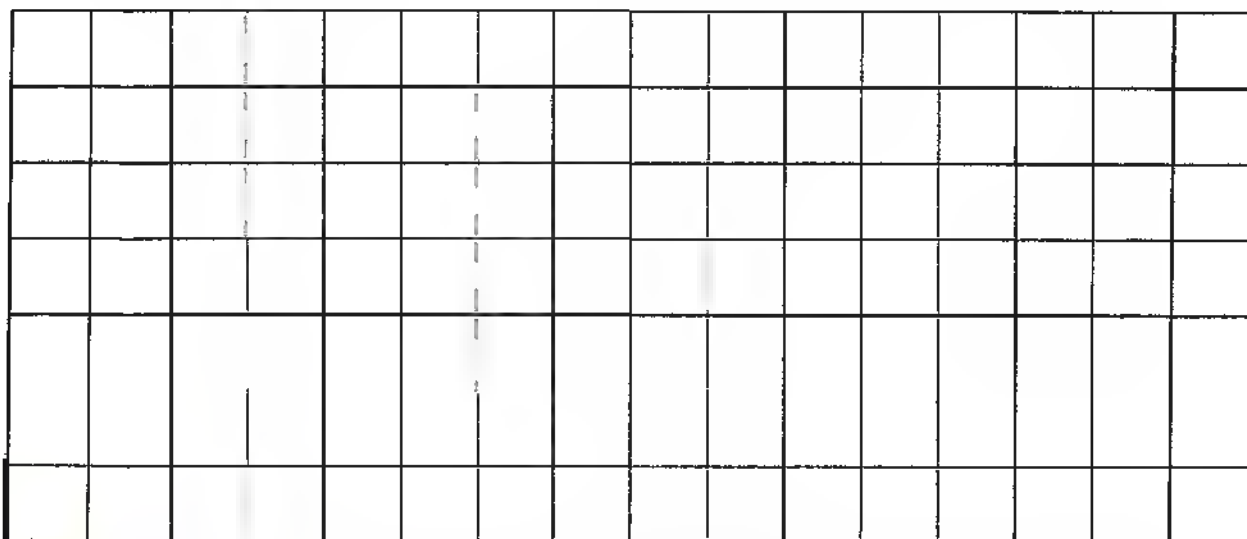
- 3** Heba has two rectangular gardens, one for lettuce and one for squash.
The squash takes up 15 square units and the lettuce takes up 18 square units. What could her gardens look like?

(Remember, the gardens are rectangles with the same number of square units in each row.)

Draw the gardens below. They must fit on the grid paper

$$15 = \dots \times \dots$$

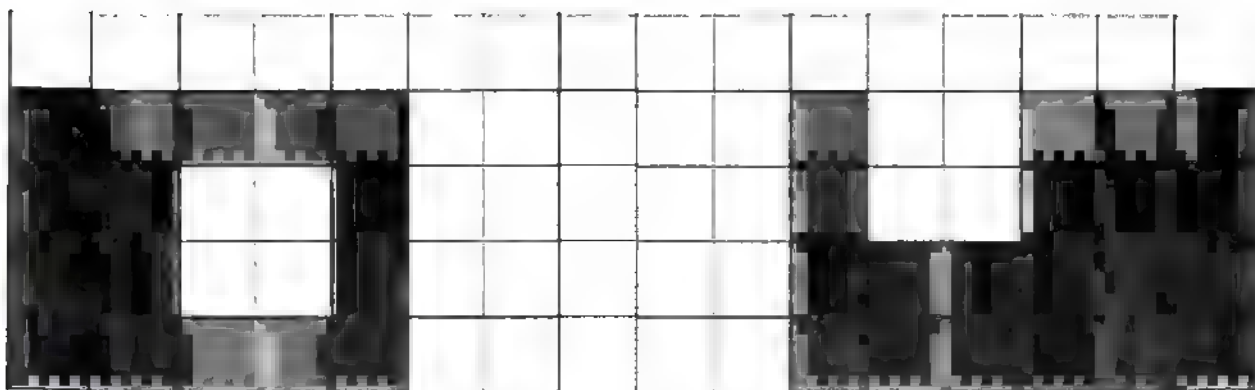
$$18 = \dots \times \dots$$



- 4** Youssef loves watermelon and wants to plant it in his garden. Watermelon needs 1 square unit of space. He would like the garden to have 4 rows with 6 square units in each row.

How many watermelons can Youssef fit in his garden?
What is the area of his garden in square units?

$$\dots \times \dots = \dots$$

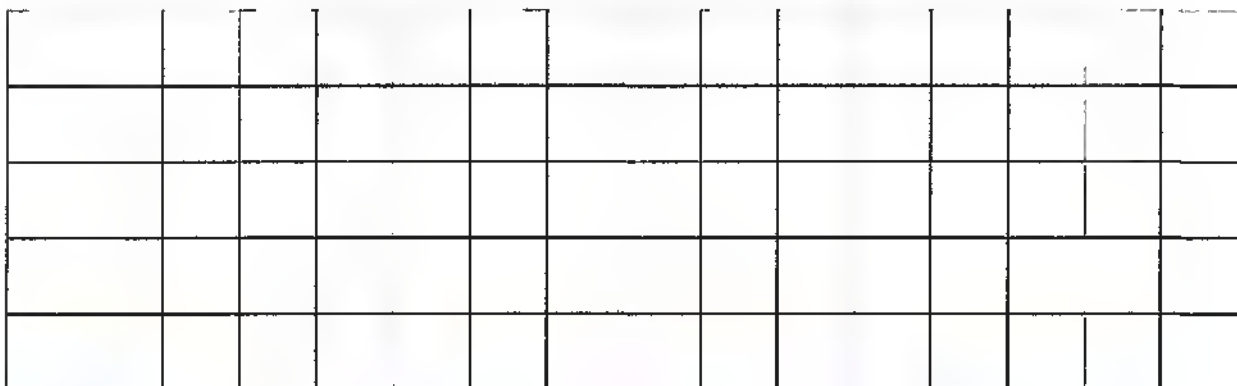


- 5 Omar wants to plant corn. Corn needs 1 square unit of space. He would like the garden to have 3 rows with 7 square units in each row.

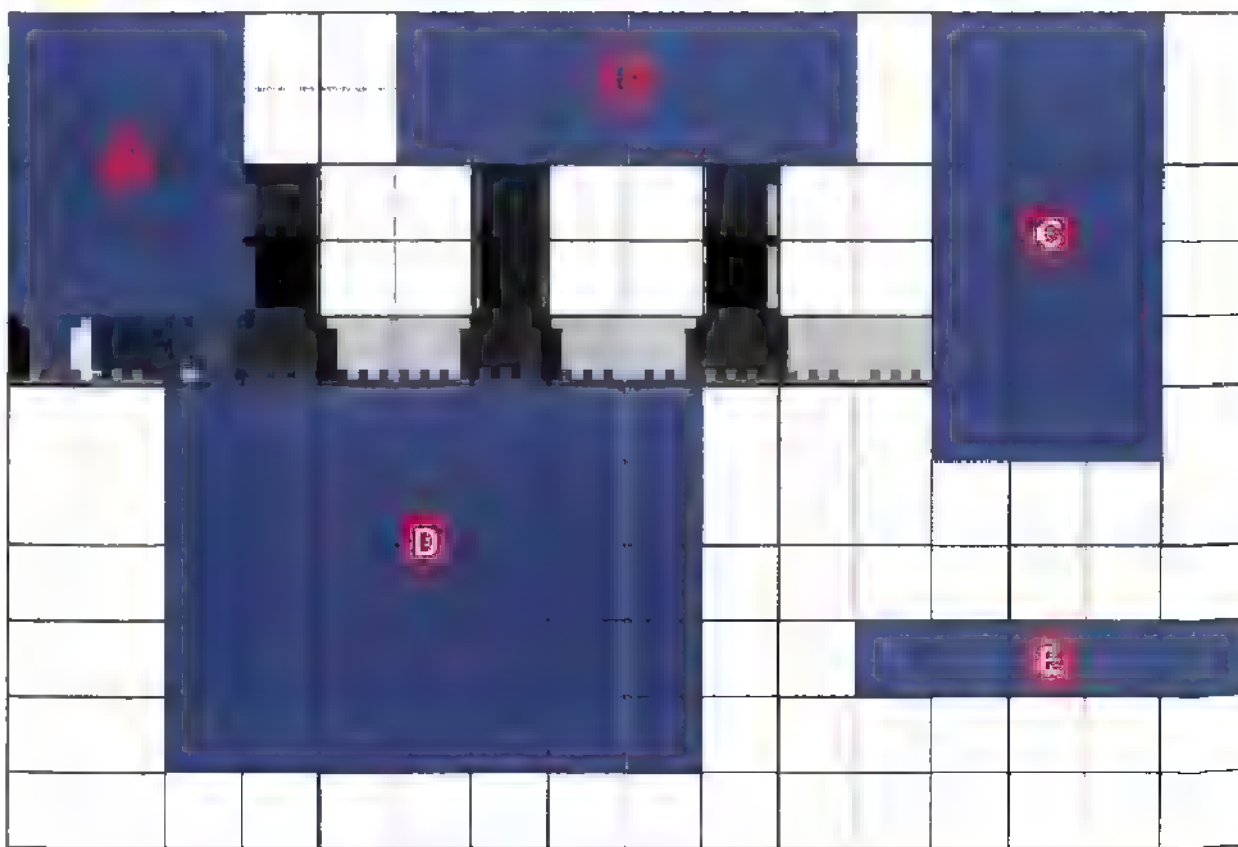
How much corn can Omar fit in his garden?

What is the area of his garden in square units?

$$\dots \times \dots = \dots$$



- 6 Determine the total area of the following shapes.



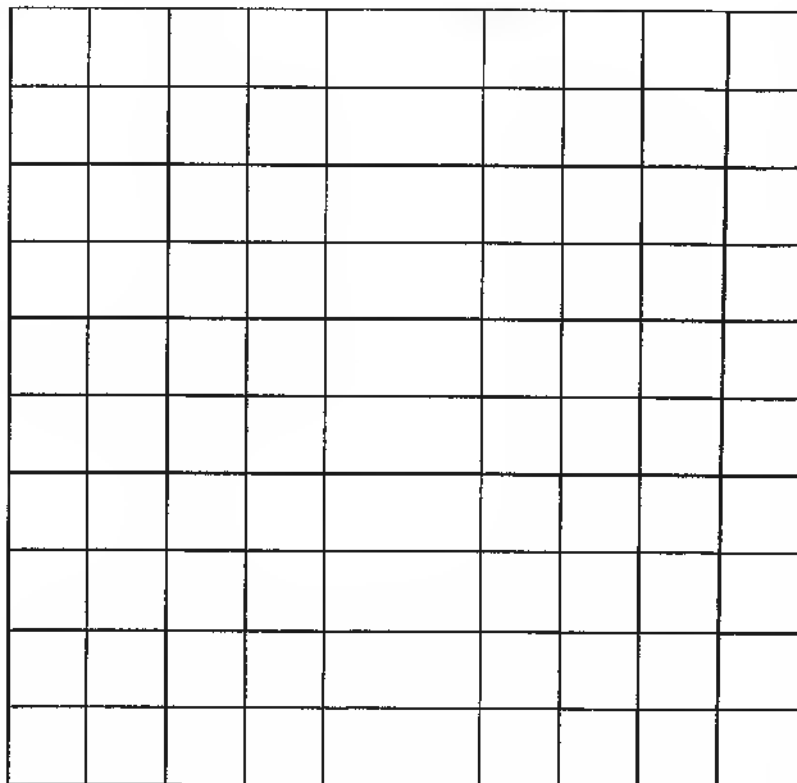
$$\begin{aligned}
 & \text{A} \quad \text{B} \quad \text{C} \quad \text{D} \quad \text{E} \\
 & (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) \\
 & = \dots + \dots + \dots + \dots + \dots = \dots
 \end{aligned}$$

- 7** On the grid below, draw and label as many rectangles as you can with the given area.

Then write equations that match your rectangles.

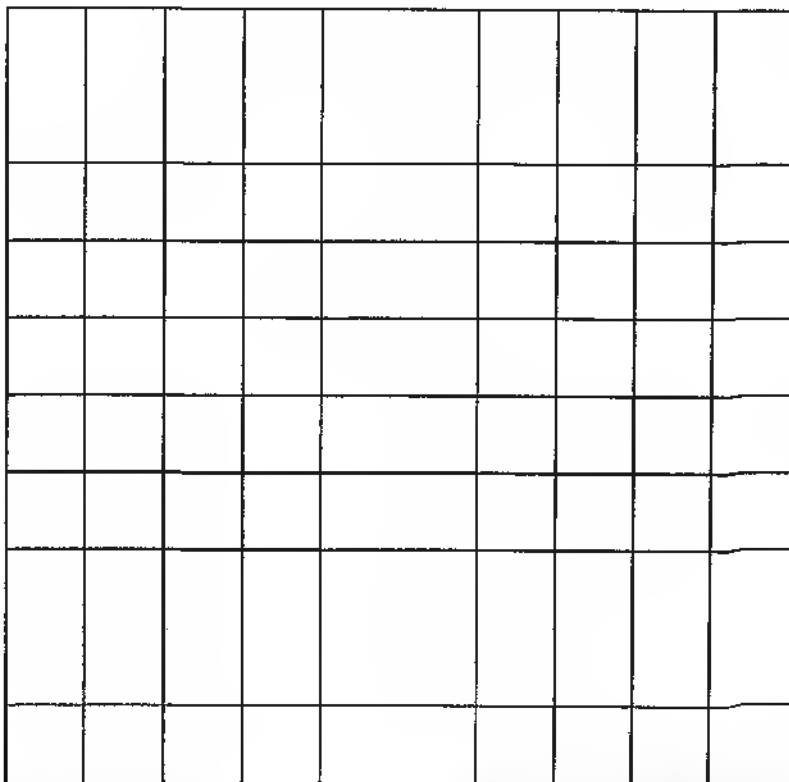
- a** 30 square units

.....



- b** 24 square units

.....



c 20 square units

.....

.....

.....

.....

.....

.....

d 12 square units

.....

.....

.....

.....

e 18 square units

.....

.....

.....

.....

.....



Sheet 6

First Choose the correct answer

- a Nine thousand and ninety = (9 090 or 90 090 or 900 090)
- b The rhombus has angles (3 or 4 or 5)
- c An hour and a half = minutes (75 or 80 or 90)
- d $5 \times 4 = \dots\dots\dots$ ($5 + 5 + 5 + 5 + 5$ or $4 + 4 + 4 + 4$ or $10 + 10$)
- e The largest 6-digit number is
(999 999 or 987 654 or 900 000)

Second Complete the following

- a 5 tens + 45 thousands + 5 hundreds =
- b The pentagon has sides
- c 207 mm = cm + mm
- d In the square , all angles are in measure.
- e 27 , 36 , 45 , 54 , , ,

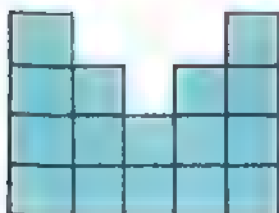
Third Answer the following

- a Complete using < , = or > :

- (1) 6×7 5×8 (3) 2 hours 100 minutes
- (2) 7 856 7 586 (4) 20 cm 200 mm

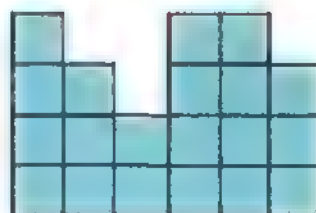
- b Find the area of each shape :

(1)



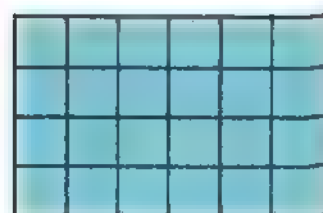
The area =
square units

(2)



The area =
square units

(3)



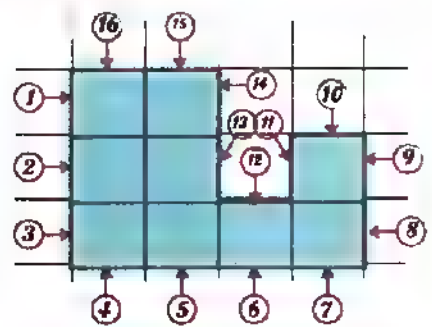
The area =
square units

LESSON 7

The perimeter

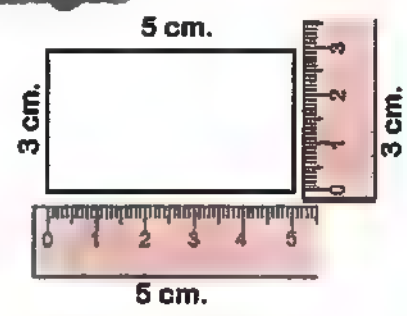
The perimeter of any polygon equals the sum of its sides length

Example



The perimeter = 16 liner unit

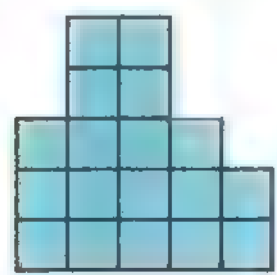
Example



The perimeter = $5 + 3 + 5 + 3$
= 16 cm

1 Find the area and the perimeter of each shape :

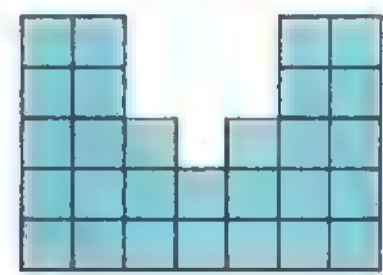
a



The area = ... square unit

The perimeter = ... liner unit

b



The area = ... square unit

The perimeter = ... liner unit

c



The area = ... square unit

The perimeter = ... liner unit

d



The area = ... square unit

The perimeter = ... liner unit

e) The area = X

= square unit

The perimeter = + + +

= liner unit

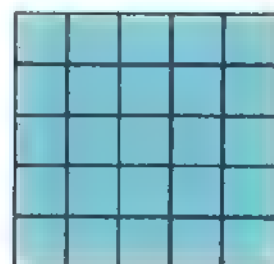


f) The area = X

= square unit

The perimeter = + + +

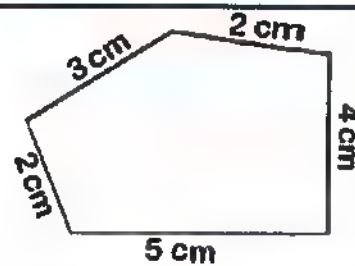
= liner unit



The perimeter of any polygon:

The perimeter = $5 + 4 + 2 + 3 + 2 = 12$ cm

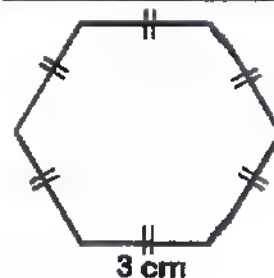
The perimeter of any polygon
equals sum of sides length.



The perimeter of regular polygons:

The perimeter = $3 + 3 + 3 + 3 + 3 + 3 = 18$ cm
($3 \times 6 = 18$ cm)

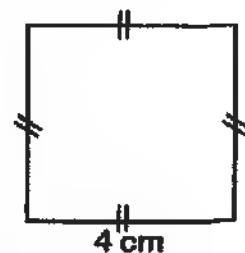
The perimeter of a regular polygon
= The side length X the number of sides



The perimeter of the square:

The perimeter = $5 + 5 + 5 + 5 = 20$ cm
($5 \times 4 = 20$ cm)

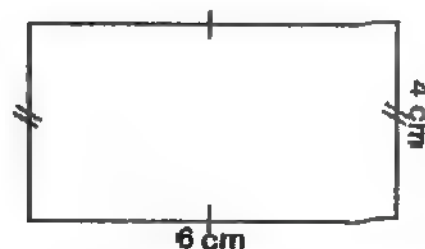
The perimeter of the square
= The side length X 4



The perimeter of the rectangle:

The perimeter = $6 + 4 + 6 + 4 = 20$ cm
[$(6 + 4) \times 2 = 20$ cm]

The perimeter of the reactangle
= (Length + width) X 2

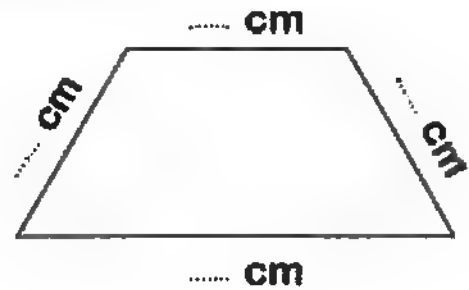


2 Use our ruler to measure each of the side length of the following then find the perimeter

a The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$



b The perimeter

$$= \dots + \dots + \dots + \dots$$

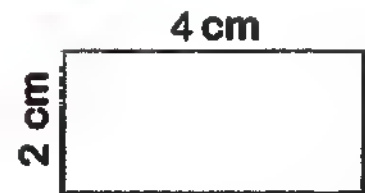
$$= \dots \text{ cm}$$



The area and the perimeter of the rectangle:

The area = length X width
 $= 4 \times 2 = 8$ square centimeter

The perimeter = (length + width) X 2
 $= (4 + 2) \times 2 = 12$ cm



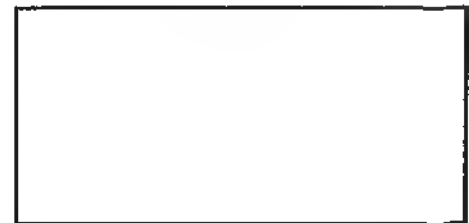
3 Find the area and the perimeter of the following :

a The area =

$$= \dots$$

The perimeter =

$$= \dots$$

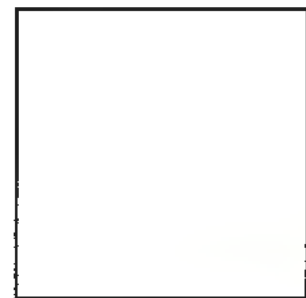


b The area =

$$= \dots$$

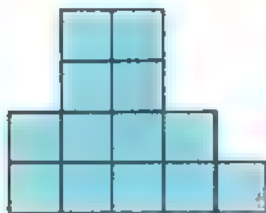
The perimeter =

$$= \dots$$



1 Find the area and the perimeter of each shape :

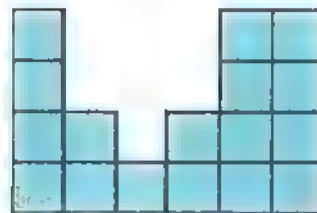
a



The area = square unit

The perimeter = liner unit

b



The area = square unit

The perimeter = liner unit

c



The area = square unit

The perimeter = liner unit

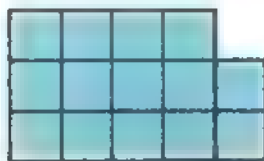
d



The area = square unit

The perimeter = liner unit

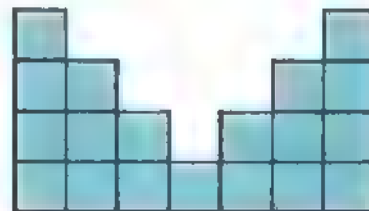
e



The area = square unit

The perimeter = liner unit

f



The area = square unit

The perimeter = liner unit

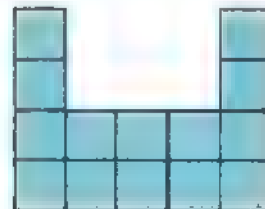
g



The area = square unit

The perimeter = liner unit

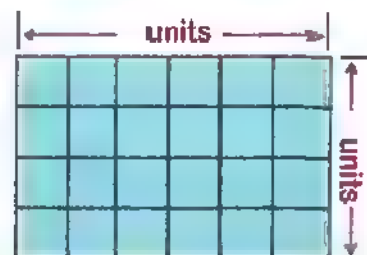
h



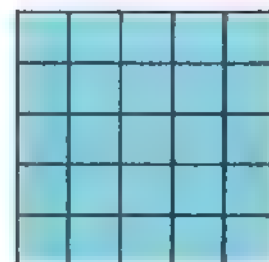
The area = square unit

The perimeter = liner unit

- i** The area = X
 = square unit
 The perimeter = + + +
 = liner unit



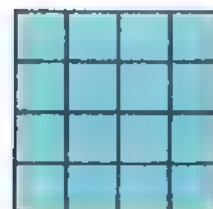
- j** The area = X
 = square unit
 The perimeter = + + +
 = liner unit



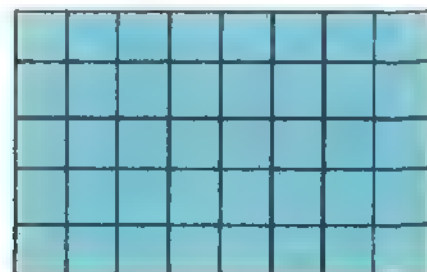
- k** The area = X
 = square unit
 The perimeter = + + +
 = liner unit



- l** The area = X
 = square unit
 The perimeter = + + +
 = liner unit



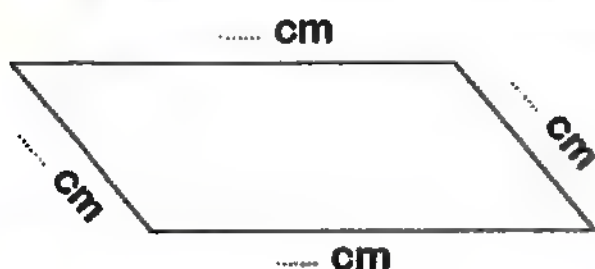
- m** The area = X
 = square unit
 The perimeter = + + +
 = liner unit



- n** The area = X
 = square unit
 The perimeter = + + +
 = liner unit



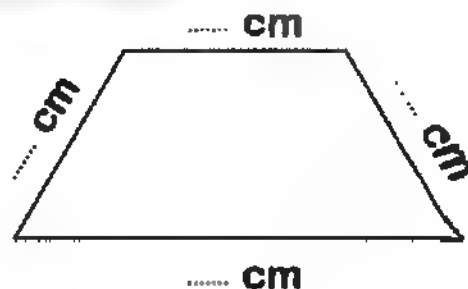
- 2** Use your ruler to measure each of the side lengths of the following then find the perimeter



- a** The perimeter

$$= \dots + \dots + \dots + \dots$$

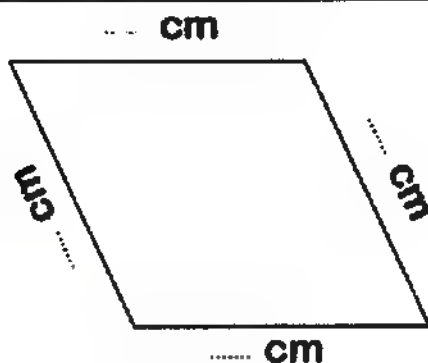
$$= \dots \text{ cm}$$



- b** The perimeter

$$= \dots + \dots + \dots + \dots$$

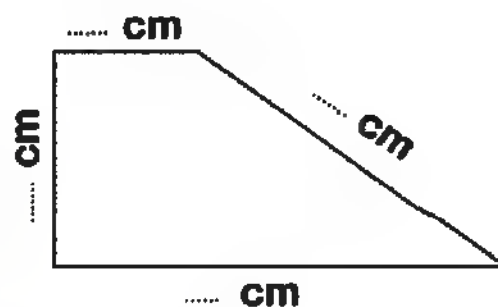
$$= \dots \text{ cm}$$



- c** The perimeter

$$= \dots + \dots + \dots + \dots$$

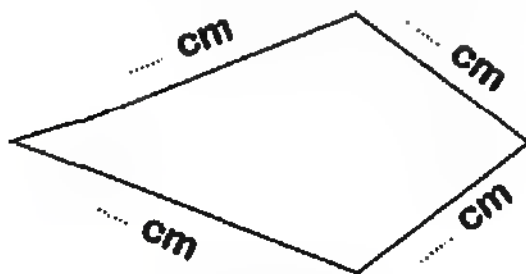
$$= \dots \text{ cm}$$



- d** The perimeter

$$= \dots + \dots + \dots + \dots$$

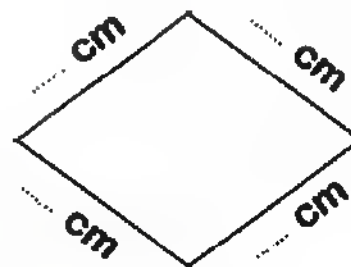
$$= \dots \text{ cm}$$



- e** The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

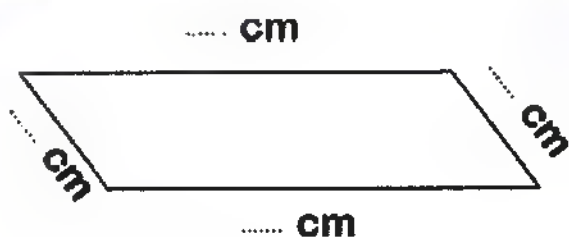


- f** The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

g

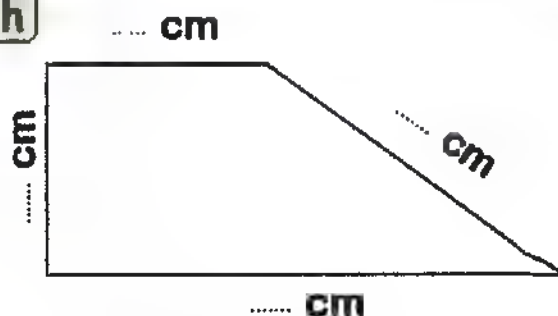


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

h

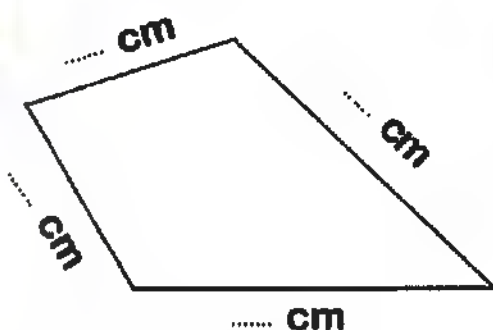


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

i

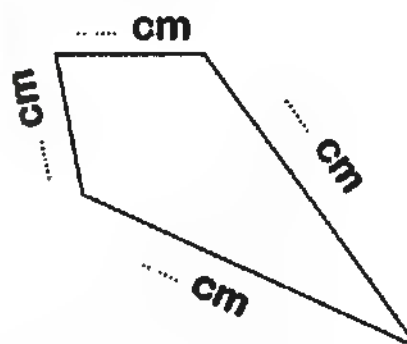


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

j

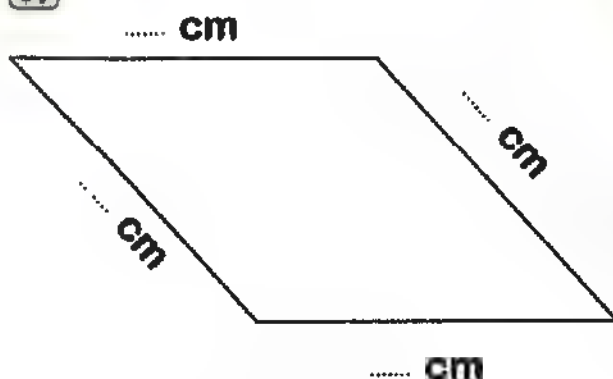


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

k

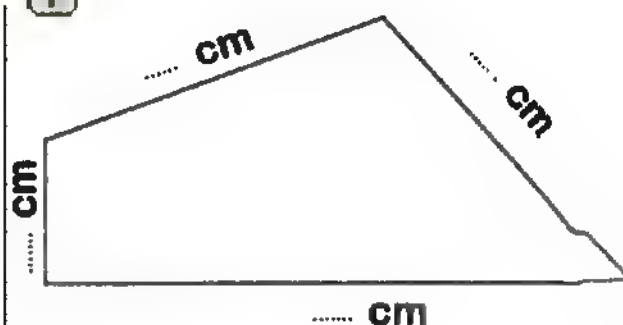


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

l



The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

3 Find the area and the perimeter of the following :

a The area =

=

The perimeter =

=



b The area =

=

The perimeter =

=

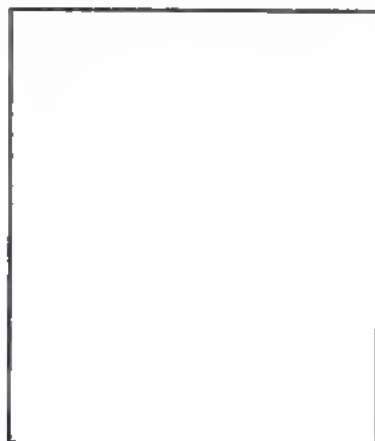


c The area =

=

The perimeter =

=

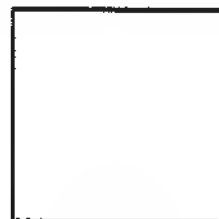


d The area =

=

The perimeter =

=

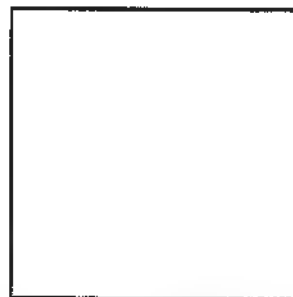


e The area =

=

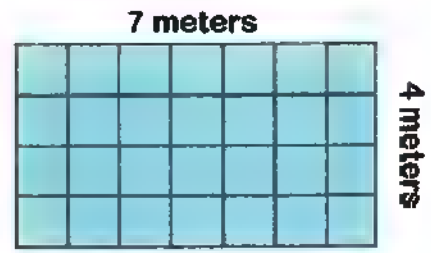
The perimeter =

=

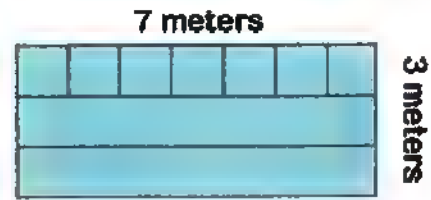


4 Find the area and the perimeter of the following :

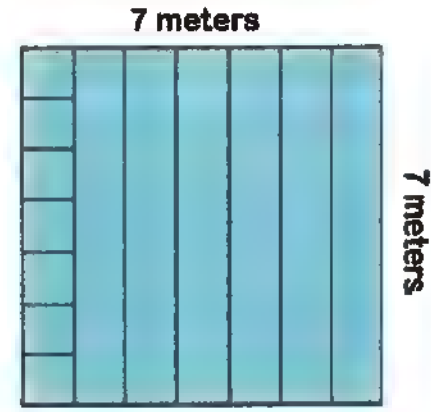
a The area =
 =
 The perimeter =
 =



b The area =
 =
 The perimeter =
 =



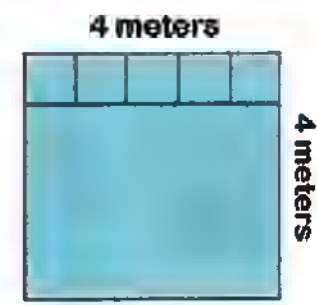
c The area =
 =
 The perimeter =
 =



d The area =
 =
 The perimeter =
 =



e The area =
 =
 The perimeter =
 =





First Choose the correct answer

- a The value of the digit 7 in the 25 748 is
(700 000 or 7 000 or 700)
- b The number of sides of the pentagon is
(4 or 5 or 6)
- c $8 + 8 + 8 = \dots\dots\dots$ ($8 + 3$ or 6×4 or 8×8)
- d The number that comes right before 200 100 is
(200 000 or 100 100 or 200 099)
- e $2 \text{ m} + 15 \text{ cm} = \dots\dots\dots \text{ cm}$ (215 or 35 or 2015)

Second Complete the following

- a 74 thousands + 5 ones + 7 tens + 3 hundreds =
- b 85 minutes = hour(s) + minutes.
- c $8 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$
- d In the rhombus, all sides are
- e $36 \div 9 = \dots\dots\dots$

Third Answer the following

- a Find the perimeter and the area of the opposit figure :

The area = \times = square unit

The perimeter = + + + = liner unit



- b Write the time shown in the clock :



- c Write the name of each shape :



LESSON

8

The Capacity

The amount of liquid that the container can contain

Units of capacity



6 L



2 L



1 L

Litre

L

Millilitre

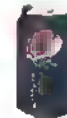
ml



250 ml



125 ml



330 ml

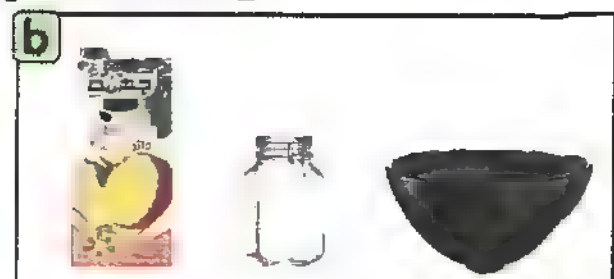


1 Litre = 1000 millilitre

1 Circle the largest capacity container



2 Circle the smaller capacity container



3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]



Milliliter Litre



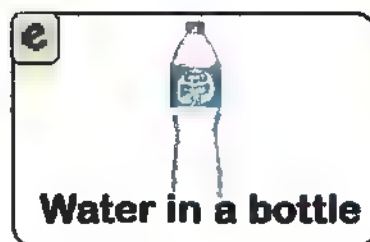
Milliliter Litre



Milliliter Litre



Milliliter Litre



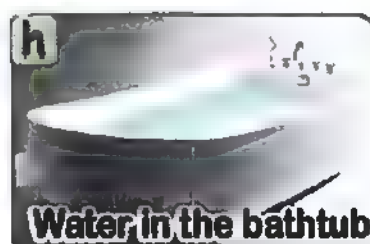
Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre

4 Complete the following :

a 1 litre = milliliters

c 2 liters = milliliters

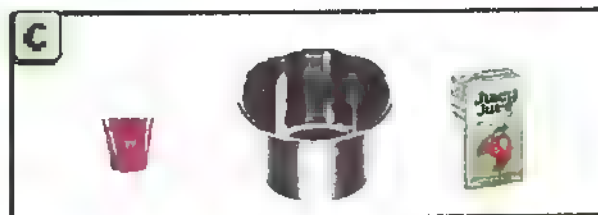
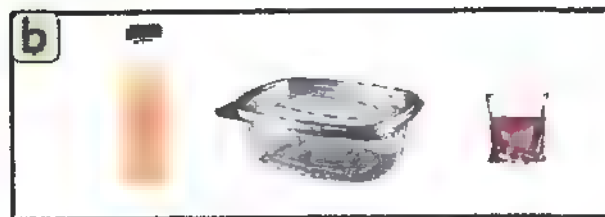
b 5 000 ml = litres

d 7 000 ml = litres

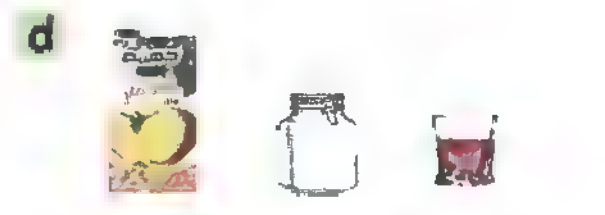
e To measure the capacity of the tea cup we use

f The litre is used to measure

1 Circle the largest capacity container



2 Circle the smaller capacity container



3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



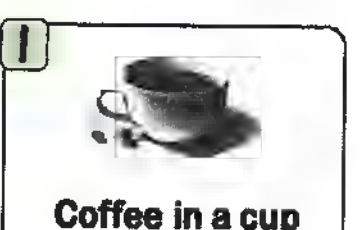
Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre



Milliliter Litre

Sheet 8

First Choose the correct answer

- a 8 liters = milliliter (8 000 or 800 or 80)
- b $7 + 7 + 7 + 7 =$ (7×4 or $7 + 4$ or 7×7)
- c $80 \times 3 =$ $\times 40$ (240 or 6 or 60)
- d The capacity of a cup of tea =
(6 litre or 800 ml or 200 ml)
- e is a unit of measuring capacity
(hour or meter or litre)

Second Complete the following

- a 9 000 milliliter = litre
- b The volume of water in the pool is measured by
- c The number that comes right after 99 999 is
- d $20 \text{ cm} + 7 \text{ mm} =$ mm
- e The smallest 5-different-digit number is

Third Answer the following

- a Find the result :
 (1) $9 \times 13 =$ (2) $72 \div 8 =$
 (3) $899 + 1\,001 =$ (4) $42 \div 6 =$
- b Each book costs LE 9 , How many books can you buy for LE 63.

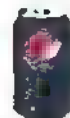
- c Write the suitable unit (millilitre or litre) :



Coffee in a cup



Dishwashing soap



Soda in a can



Petrol in a car

General Exercises

First Choose the correct answer

- (1) Seven hundred thousand and seventy =
(700 070 or 700 017 or 770 000)
- (2) $5 + 20 + 400 + 7\ 000 = \dots\dots\dots$ (5 247 or 70 425 or 7 425)
- (3) 70 010 comes right after (79 999 or 70 099 or 70 009)
- (4)comes right before 2 000 (1 999 or 2 001 or 1 099)
- (5) 20 thousand + 75 tens =(2 075 or 20 075 or 20 750)
- (6) 60 hundreds = (60 000 or 6 000 or 600 000)
- (7) 8 000 tens =hundreds (800 or 8 000 or 80 000)
- (8) 300 000 =hundreds (30 or 300 or 3 000)
- (9) The largest 5 - different - digit number is
(98 765 or 99 999 or 10 234)
- (10) The smallest 6 - different - digit number is
(100 000 or 123 456 or 10 2345)
- (11) The largest 5 - same - digit number is
(99 999 or 98 756 or 9 999)
- (12) The smallest 4 - same - digit number is
(1 000 or 11 111 or 1 111)
- (13) The value of the digit 3 in the numbr 53 889 is
(3 000 or 300 or 30)
- (14) The value of the digit 8 in the number 877 624 is
(800 000 or 8 000 or 800)
- (15) The place-value of the digit 9 in the number 9 247 is
(Hundreds or Thousands or Ten-thousands)

- (16) $5 + 5 + 5 + 5 = 2 \times \dots$ (5 or 10 or 4 + 5)
- (17) $8 + 8 + 8 = \dots$ (8×3 or $8 + 3$ or 8×8)
- (18) $6 + 6 + 6 + 6 = \dots$ (6×4 or 6×6 or $6 + 4$)
- (19) $8 \times 2 = \dots$ ($8 + 2$ or $8 + 8$ or 8×8)
- (20) $9 + 9 = \dots$ (9×9 or 9×2 or 6×3)
- (21) $6 + 6 = \dots$ (6×2 or 6×6 or $6 + 2$)
- (22) $4 \times 4 = \dots$ (8×2 or 1×6 or 3×5)
- (23) 2×5 3×3 (< or = or >)
- (24) $5 + 5 + 5$ 4×4 (< or = or >)
- (25) $8 + 8 + 8$ 6×4 (< or = or >)
- (26) $9 + 9 + 9$ 7×4 (< or = or >)
- (27) $5 \times 6 = 3 \times \dots$ (5 or 10 or 6)
- (28) $8 + 8 + 8 + 8 + 8 = 4 \times \dots$ (8 or 5 or 10)
- (29) $6 + 6 + 6 + 6 = 3 \times \dots$ (8 or 6 or 4)
- (30) $5 \times 6 \times 10 = \dots \times 10$ (300 or 30 or 3)
- (31) $7 \times 4 \times 10 = \dots \times 10$ (280 or 4 or 28)
- (32) $\dots \times 9 \times 10 = 36 \times 10$ (4 or 36 or 360)
- (33) $28 \times 10 = 4 \times \dots \times 10$ (7 or 280 or 40)
- (34) $35 \times 10 = 5 \times \dots \times 10$ (70 or 350 or 7)
- (35) $36 \times 10 = \dots \times 6 \times 10$ (3 or 6 or 36)
- (36) $5 \times 8 = \dots \times 5$ (40 or 5 or 8)
- (37) $9 \times \dots = 6 \times 9$ (6 or 9 or 54)
- (38) $8 \times 6 = 6 \times \dots$ (8 or 6 or 48)
- (39) $6 + 6 + 6 = \dots$ ($6 + 3$ or 6×6 or 9×2)
- (40) $6 + 6 + 6 + 6 + 6 = \dots$ (6×6 or 3×10 or $6 + 5$)

- (41) $10\text{ cm} + 5\text{ mm} = \dots\dots\text{ mm}$ (105 or 15 or 1 005)
(42) $15\text{ m} = \dots\dots\text{ cm}$. (15 or 150 or 1 500)
(43) The quadrilateral has $\dots\dots$ sides (3 or 4 or 5)
(44) $50\text{ cm} + 5\text{ mm} = \dots\dots\text{ mm}$ (505 or 55 or 10)
(45) An hour + 10 minutes = $\dots\dots$ minutes (110 or 130 or 70)
(46) An hour and a half = $\dots\dots$ minutes (75 or 80 or 90)
(47) Each two opposite sides are parallel in $\dots\dots\dots$
(48) $\dots\dots\dots$ (Square or Trapezium or Kite)
The rhombus has $\dots\dots$ angles (3 or 4 or 5)
(49) The capacity of a cup of tea = $\dots\dots\dots$
(6 litre or 800 ml or 200 ml)
(50) $\dots\dots\dots$ is a unit of measuring capacity
(hour or meter or litre)

Second Complete the following

- (1) Two hundred five thousand, six hundred and eleven = $\dots\dots\dots$
(Standard form)
(2) 700 608 (Word form) : $\dots\dots\dots$
 $\dots\dots\dots$
(3) $700\ 000 + 70\ 000 + 5\ 000 + 800 + 50 + 3 = \dots\dots\dots$
(4) 998 thousand + 6 ones + 5 tens + 7 hundreds = $\dots\dots\dots$
(5) $70 + 0 + 0 + 4 = \dots\dots\dots$
(6) $77\ 856 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
(7) $552\ 159 = \dots\text{ tens} + \dots\text{ thousands} + \dots\text{ ones} + \dots\text{ hundreds}$
(8) The number that comes right after 362 999 is $\dots\dots\dots$
(9) The number 70 250 comes right after $\dots\dots\dots$.
(10) The number $\dots\dots\dots$ comes right after 99 999.

- (11) The number that comes right before 700 000 is
- (12) The number 31 560 comes right before
- (13) The number .. comes right before 105 200.
- (14) The place value of the digit 5 in the number 254 269
is
- (15) The place value of the digit 7 in the number 789 895
is
- (16) The value of the digit 7 in the number 79 159 is
- (17) The value of the digit 2 in the number 8 128 is
- (18) The largest 6-digit number is
- (19) The smallest 6-digit number is
- (20) The largest 5-digit number is
- (21) The smallest 5-digit number is
- (22) The largest and the smallest number formed from the
digits (7 , 2 , 0 , 6 and 3) are and
- (23) The largest and the smallest 5-digit number formed from
the digits (4 , 8 and 5) are and
- (24) $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$
- (25) $5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$
- (26) $5 \times 8 = \dots + \dots + \dots + \dots + \dots = \dots$
- (27) $4 \times 4 = \dots + \dots = \dots$
- (28) $7 + 7 + 7 + 7 + 7 = 5 \times \dots = \dots$
- (29) $4 + 4 + 4 + 4 = 2 \times \dots = \dots$
- (30) $5 \times 8 = 4 \times \dots = \dots$
- (31) $6 \times 6 = 4 \times \dots = \dots$

- (32) $52 \times 10 = \dots\dots\dots$
- (33) $16 \times 10 = \dots\dots\dots$
- (34) $7 \times \dots\dots = 70$
- (35) $32 \div \dots\dots = 8$
- (36) $35 \div \dots\dots = 5$
- (37) $4 \times \dots\dots = 40$
- (38) $86 \times \dots\dots = 860$
- (39) $55 \times \dots\dots = 550$
- (40) $\dots\dots \div 8 = 4$
- (41) $\dots\dots \div 5 = 7$
- (42) $8 \times 50 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$
- (43) $\dots\dots \times \dots\dots = 5 \times 9 \times 10 = \dots\dots \times \dots\dots = \dots\dots$
- (44) $\dots\dots \times \dots\dots = 5 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$
- (45) $\dots\dots \times \dots\dots = \dots\dots \times 7 \times \dots\dots = 49 \times 10 = \dots\dots$
- (46) An hour and a half = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (47) An hour and 25 minutes = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (48) 2 hours and 55 minutes = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (49) 95 minutes = $\dots\dots$ hours + $\dots\dots$ minutes
- (50) 130 minutes = $\dots\dots$ hours + $\dots\dots$ minutes
- (51) 5 cm = $\dots\dots\dots$ mm.
- (52) 10 cm = $\dots\dots\dots$ mm.
- (53) 7 m = $\dots\dots\dots$ cm
- (54) 12 m = $\dots\dots\dots$ cm
- (55) $12 \text{ cm} + 8 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$
- (56) $20 \text{ m} + 12 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$
- (57) $162 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$
- (58) $225 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$
- (59) The quadrilateral is a polygon that has $\dots\dots\dots$ sides.
- (60) Two pairs of adjacent sides are equal in $\dots\dots\dots$
- (61) All sides are equal in $\dots\dots\dots$ and $\dots\dots\dots$
- (62) In the rectangle all angles are $\dots\dots\dots$
- (63) Each two opposite sides are equal and parallel in $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

- (64) The pentagon has sides , angles and vertices.
 (65) The ... has 5 sides and ... has 6 sides.
 (66) To measure the capacity of the tea cup we use
 (67) The litre is used to measure
 (68) 2 liters = milliliters
 (69) 7 000 ml = litres
 (70) The volume of water in the pool is measured by




Third Answer the following

(1) Complete the pattern :

(a)  ,  ,  , ,

(b) AB , AABB , AAABBB , , , ,

(c) UN , UN , UN , , , ,

(d)  ,  ,  , , , ,

(e)  ,   ,  , , , ,

f	5 260	5 250	5 240	.....
	.....	5 210	.....	.....
	5 180	.....	.....	5 150
	.....	5 130	5 120	.....

The
pattern

g	57 020	56 020	55 020	.....
	53 020	.....	.....	50 020
	.....	48 020	.....	.....
	.....	.....	43 020	.....

The
pattern

- j An hour and a quarter 95 minutes
- k 2 hours and 25 minutes 150 minutes
- l $6\text{ cm} + 7\text{ mm}$ 67 mm
- m $20\text{ m} + 12\text{ cm}$ 212 cm
- n 2 liters 2 200 milliliters

(4) The following data shows the weights of 20 children.
(in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58
58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

- a The lowest value : The largest value :
- b The number of times each number is repeated



- c The line plot :



.....

x =

(5) Arrange each group of the following numbers in an ascending order and in a descending order :

a 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

b 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

c 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

(6) Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

.....
.....

b List the common multiples of 5 and 4 up to 40 :

.....

c List the common multiples of 6 and 9 up to 60 :

.....

(7) Complete:

$2 \times 2 = \dots\dots$

$3 \times 3 = \dots\dots$

$2 \times 6 = \dots\dots$

$4 \times 4 = \dots\dots$

$2 \times 9 = \dots\dots$

$4 \times 6 = \dots\dots$

$3 \times 9 = \dots\dots$

$4 \times 8 = \dots\dots$

$6 \times 6 = \dots\dots$

$5 \times 9 = \dots\dots$

$6 \times 9 = \dots\dots$

$7 \times 9 = \dots\dots$

$2 \times 3 = \dots\dots$

$2 \times 5 = \dots\dots$

$2 \times 7 = \dots\dots$

$2 \times 8 = \dots\dots$

$4 \times 5 = \dots\dots$

$3 \times 8 = \dots\dots$

$4 \times 7 = \dots\dots$

$5 \times 7 = \dots\dots$

$5 \times 8 = \dots\dots$

$6 \times 8 = \dots\dots$

$7 \times 8 = \dots\dots$

$8 \times 9 = \dots\dots$

$2 \times 4 = \dots\dots$

$3 \times 4 = \dots\dots$

$3 \times 5 = \dots\dots$

$3 \times 6 = \dots\dots$

$3 \times 7 = \dots\dots$

$5 \times 5 = \dots\dots$

$5 \times 6 = \dots\dots$

$4 \times 9 = \dots\dots$

$6 \times 7 = \dots\dots$

$7 \times 7 = \dots\dots$

$8 \times 8 = \dots\dots$

$9 \times 9 = \dots\dots$

$2 \times \dots\dots = 4$

$3 \times \dots\dots = 6$

$4 \times \dots\dots = 8$

$3 \times \dots\dots = 9$

$5 \times \dots\dots = 10$

$6 \times \dots\dots = 12$

$4 \times \dots\dots = 12$

$7 \times \dots\dots = 14$

$5 \times \dots\dots = 15$

$4 \times \dots\dots = 16$

$8 \times \dots\dots = 16$

$9 \times \dots\dots = 18$

$6 \times \dots\dots = 18$

$5 \times \dots\dots = 20$

$7 \times \dots\dots = 21$

$8 \times \dots\dots = 24$

$6 \times \dots\dots = 24$

$5 \times \dots\dots = 25$

$9 \times \dots\dots = 27$

$7 \times \dots\dots = 28$

$6 \times \dots\dots = 30$

$8 \times \dots\dots = 32$

$7 \times \dots\dots = 35$

$6 \times \dots\dots = 36$

$9 \times \dots\dots = 36$

$8 \times \dots\dots = 40$

$7 \times \dots\dots = 42$

$9 \times \dots\dots = 45$

$8 \times \dots\dots = 48$

$7 \times \dots\dots = 49$

$9 \times \dots\dots = 54$

$8 \times \dots\dots = 56$

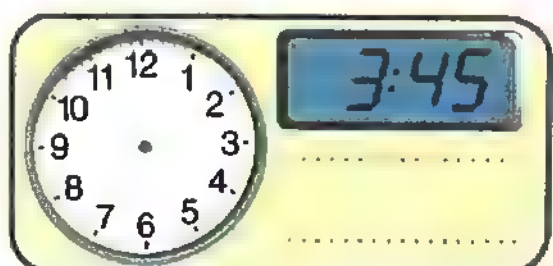
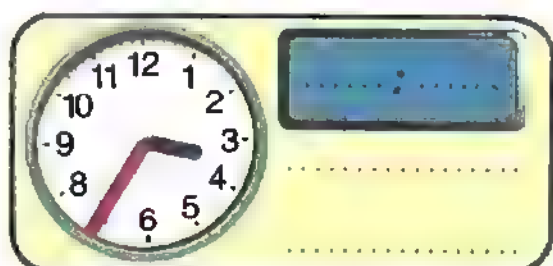
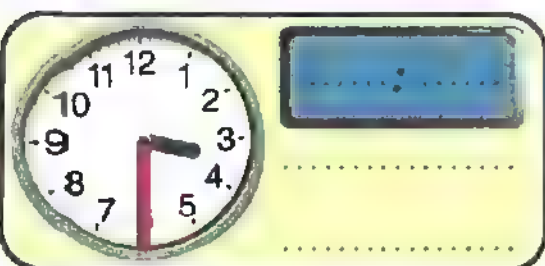
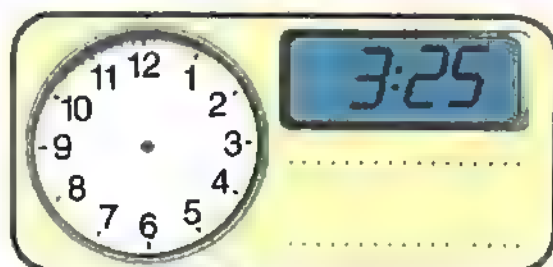
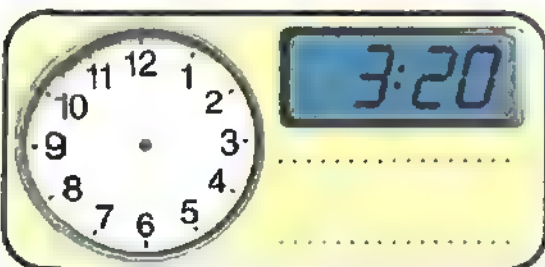
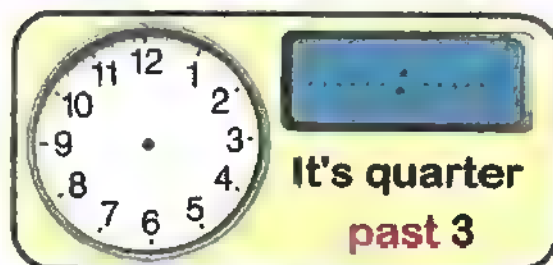
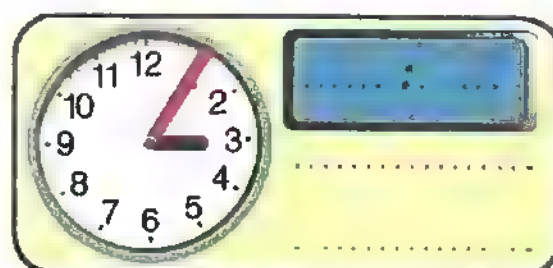
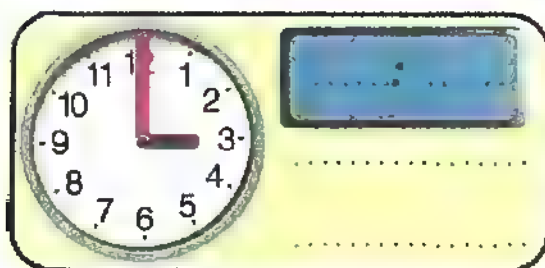
$9 \times \dots\dots = 63$

$8 \times \dots\dots = 64$

$9 \times \dots\dots = 72$

$9 \times \dots\dots = 81$





(8) Complete the following



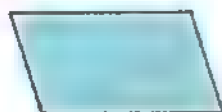
(9) See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (**mm**) , centimeter (**cm**) or meters (**m**).]

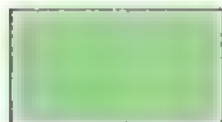
Then write it under the picture

a 	b 	c 	d 
<p>.....</p>	<p>.....</p>	<p>.....</p>	<p>.....</p>

(10) Write the name of each quadrilateral :



.....



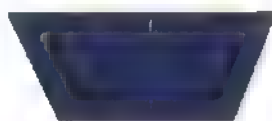
.....



.....



.....



.....



.....

(11) Find the area and the perimeter of each shape :



The area = square unit

The perimeter = liner unit

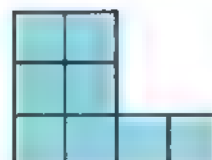


The area = square unit

The perimeter = liner unit

c The area = square unit

The perimeter = liner unit



d The area =

=

The perimeter =

=

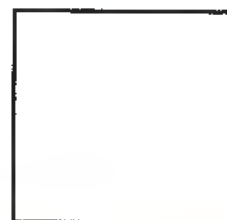


e The area =

=

The perimeter =

=

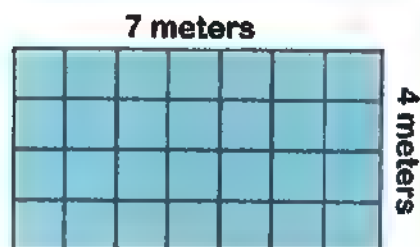


f The area =

=

The perimeter =

=



g The area =

=

The perimeter =

=

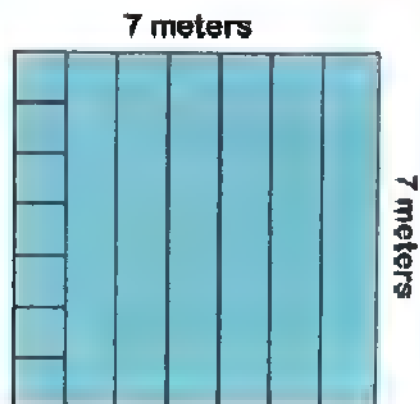


h The area =

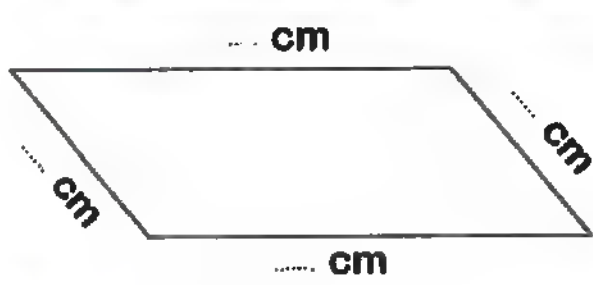
=

The perimeter =

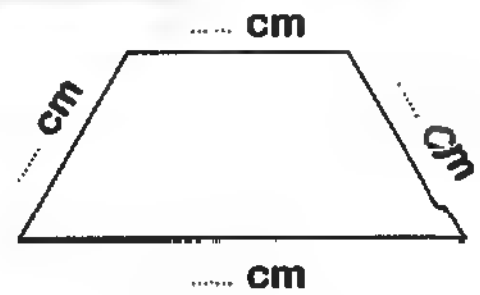
=



(12) Use your ruler to measure each of the side lengths of the following then find the perimeter

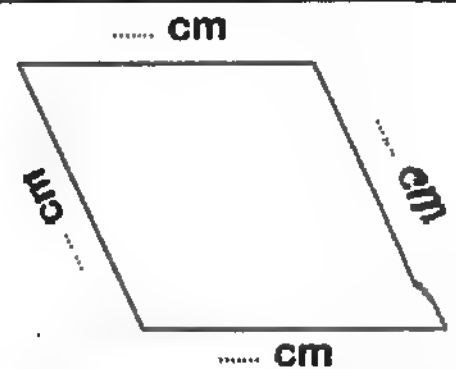


a The perimeter
= ... + ... + ... + ... = ... cm



b The perimeter
= ... + ... + ... + ... = ... cm

c The perimeter
= ... + ... + ... + ...
= ... cm



(13) What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]

a

Juice in a juice box

Milliliter Litre

b

Water in the bathtub

Milliliter Litre

c

Perfume in a bottle

Milliliter Litre

d

Dishwashing soap

Milliliter Litre

e

Water in a bottle

Milliliter Litre

f

Shampoo in a bottle

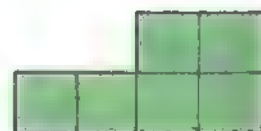
Milliliter Litre

First Choose the correct answer

- a** Twelve thousand , two hundred and two =
(12 202 or 12 022 or 10 212)
- b** 40 hundreds 4000 tens (< or = or >)
- c** $8 + 8 + 8 = \dots\dots\dots$ (8×3 or 8×8 or $8 + 3$)
- d** $40 \div \dots\dots\dots = 5$ (10 or 8 or 5)
- e** The place-value of the 9 in the number 695 003 is
(Tens or Ten-thousands or Hundred thousands)

Second Complete the following

- a** The number of sides of the hexagon is
- b** The quadrilaterals that have 4 right angles are
..... and
- c** 54 , 48 , 42 , , ,
- d** The smallest 6-different-digit number is
- e** The area of the opposite figure
is Liner unit



Third Answer the following

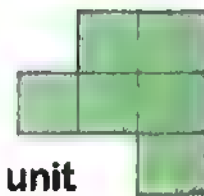
- a** Find the result :
(1) $456 + 244 = \dots\dots\dots$ (2) $800 - 325 = \dots\dots\dots$ (3) $6 \times 8 = \dots\dots\dots$
- b** Arrange the following numbers in a descending order .
10 000 , 15 000 , 999 , 90 000 , 909 000
..... , , , ,
- c** Each basket holds 12 oranges , How many oranges are there
in 5 baskets ?
- d** Use the 120 chart to write the common multiples of 6 and 8
up to 100

First Choose the correct answer

- a The number 40 100 comes right after
(40 101 or 40 199 or 40 099)
- b 50 hundreds + 40 thousands + 2 ones + 7 tens =
(504 027 or 45 072 or 40 572)
- c $6 \times 3 = \dots$ ($6 + 6 + 6 + 6 + 6 + 6$ or $3 + 3 + 3$ or $9 + 9$)
- d 70 minutes 1 hour and a quarter (< or = or >)
- e The better unit to measure the volume of the soda in a can is
(Liter or Milliliter)

Second Complete the following

- a The polygon that has 4 sides is called
- b The smallest 6-digit number formed from the digits (7 , 2 and 5) is
- c $6 \times 18 = 6 \times \dots + 6 \times \dots$
- d $205 \text{ mm} = \dots \text{ cm} + \dots \text{ mm}$
- e The perimeter of the opposite figure is square unit



Third Answer the following

- a Find the result :
(1) $9 \times 8 = (\dots \times 10) - \dots = \dots$ (2) $7 \overline{)42}$

- b Write the name of each quadrilatera :



- c Write the time :

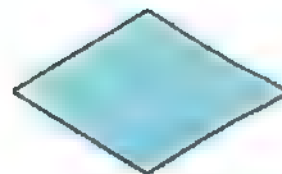


First Choose the correct answer

- a** The smallest 5-different-digit number is
(10 234 or 12 345 or 10 000)
- b** 205 cm 20 m + 5 cm (< or = or >)
- c** $9 \times \dots = (9 \times 10) - 9$ (8 or 9 or 10)
- d** The better unit to measure the length of a pencil is
(Millimeter or centimeter or Meter)
- e** $9 + 200 + 7\,000 + 60 = \dots\dots\dots$ (9 276 or 7 296 or 7 269)

Second Complete the following

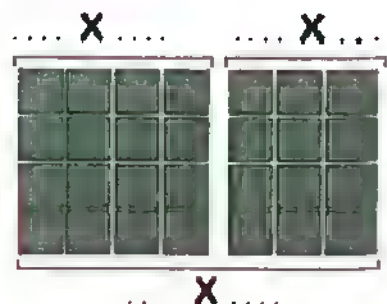
- a** The number of sides of the octagon is
- b** The number that comes right after 200 099 is
- c** 560 201 (In the word form)
- d** The opposite figure is called
, it has sides and all sides are
- e** 110 minutes = hours + minutes



Third Answer the following

- a** Use the opposite array to complete :

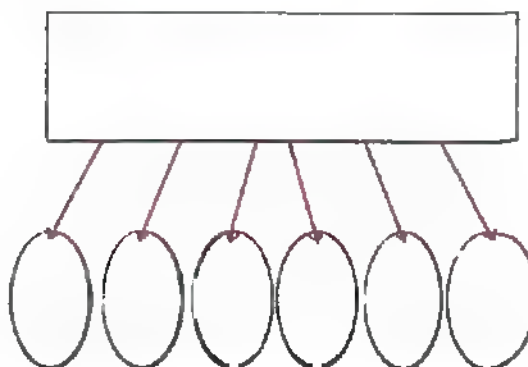
$$\begin{aligned} (1) & (\dots \times \dots) + (\dots \times \dots) \\ &= \dots \times (\dots \times \dots) \\ &= \dots \times \dots = \dots \end{aligned}$$



- b** The teacher has 36 crayons to share equally between 6 students.

What is the share of each ?

Draw a part-part-whole model to show your answer .



$$\dots \div \dots = \dots$$

First Choose the correct answer

- a** The volume of the tea in a cup can be
(2 Liters or 200 liters or 200 milliliters)
- b** All sides are equal in length in
- c** (Parallelogram or Rhombus or Kite)
- d** The polygon that has 5 sides is called
- e** (quadrilateral or pentagon or hexagon)
- The better unit used to measure the length of an insect is
- (meter or centimeter or millimeter)
- The smallest number formed from the digits (5 , 8 , 7 , 0 and 4)
is (87 540 or 45780 or 40 578)

Second Complete the following

- a** An hour and a quarter = + = minutes
- b** 16 , 24 , 32 , 40 , 48 ,
- c** $670\ 670 = 670 + \dots\dots\dots$
- d** The value of the digit 0 in the number 75 036 is
- e** 502 thousands + 704 hundreds =

Third Answer the following

- a** Use the number line strategy to find :

(1) $525 + 287 = \dots\dots\dots$



(2) $628 - 327 = \dots\dots\dots$

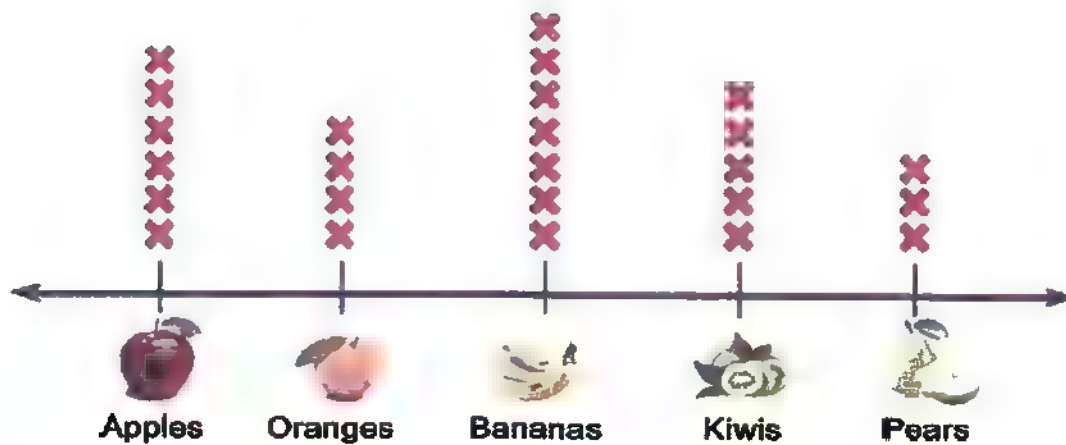


b Arrange the following numbers in an ascending order .

25 250 , 25 025 , 25 520 , 25 205 , 25 502

.....,,,,

c The following line plot shows the favorite fruit types for 25 children :



The favorite fruit

x = 1 child

(1) Which fruit is liked the most ?

(2) Which fruit is liked the least ?

d Find the area and the perimeter of the following :

The area =

=

The perimeter =

=



First Choose the correct answer

- a Seven hundred seven thousand and seventy =
(707 070 or 700 770 or 777 000)
- b The number that comes right after 399 999 is
(399 998 or 499 999 or 400 000)
- c The value of the digit 7 in the number 37 936 is
(70 000 or 7 000 or 700)
- d 7 thousands + 200 hundreds + 50 tens =
(70 250 or 27 500 or 207 500)
- e The largest 5-digit number =
(99 999 or 98 765 or 90 000)

Second Complete the following

- a $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times 6$
- b $8 \times 17 = 8 \times 8 + 8 \times \dots = \dots$
- c Each chair has 4 legs, then the number of legs that 7 chairs has legs
- d The better unit of length that used to measure the length of an insect is
- e A day = hours

Third Answer the following

- a Use the opposite figure to complete :

Thousands			Hundreds		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
7	0	0	8	1	0

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

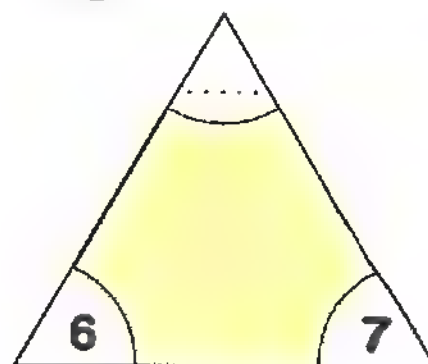
- b** Complete the missing factor in the triangle
Then complete the equations :

... \times ... = ...

... \times ... = ...

... \div ... = ...

... \div ... = ...



- c** Match each quadrilateral to its name :

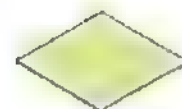
Kite

Parallelogram

Rhombus

Square

Trapezium



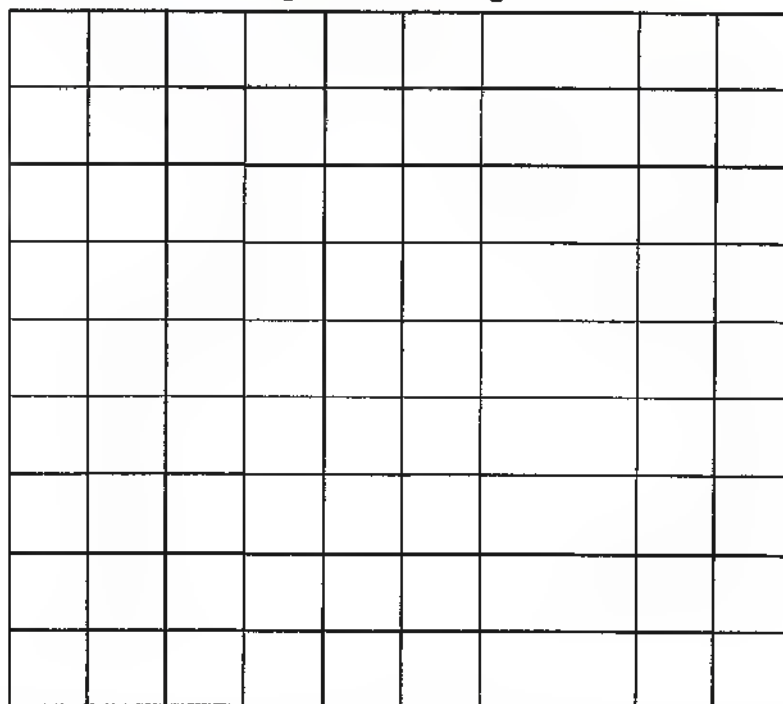
- d** On the grid below, draw and label as many rectangles
as you can with the area = 24 square units
Then write equations that match your rectangles.

.....

.....

.....


.....




Guide Answers

The Visual Patterns

1. Complete the pattern.

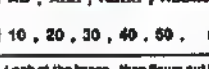
a. 


b. 

2. AS, ARR, AERR, AERRR, AERRRR

a. 10, 20, 30, 40, 50, 60, 70

3. Look at the bricks, then square out the next two images in the pattern.

a. 

b. 

1. **Сопоставь рисунки.**
 2.
 3.
 4.
 5.
 6.
 7.
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 84.
 85.
 86.
 87.
 88.

Look at the images, then figure out the next two images in the pattern:

72-13

2. This bar graph & The pictograph

1. Look at the favorite fruit graph and then answer :

Bar Graph:

Favourite Fruit

Number of students

80
70
60
50
40
30
20
10
0

Apple Orange Mango Pear

Pictograph:

Number of students

30
20
10
0

Apple Orange Mango Pear

Ques:- Show the following table :

Fruit	Number of students
Apple	30
Orange	60
Mango	60
Pear	40

Ans:- The bar graph is as follows:

Bar Graph:

Favourite Fruit

Number of students

80
70
60
50
40
30
20
10
0

Apple Orange Mango Pear

Pictograph:

Number of students

30
20
10
0

Apple Orange Mango Pear

Ques:- How many people like apples? **30**

Ques:- How many people like oranges? **60**

Ques:- How many people like mangoes? **60**

Ques:- How many people like pears? **40**

[illegible]

MAIN-1

3) Use the following table to complete the bar graph.

Favourite Desserts	Tally	Number of Children
Ice-cream	||||	4
Mango	|||||	5
Chocolate	||||	4
Strawberry	|||||	5
Apple	|||||	5

Favourite Dessert

Favourite Dessert	Number of children
Fruit	4
Mango	5
S.P	4
A.P	5
Don't Know	5

1. How many children like Mango? 5

2. How many children like Apple? 5

3. Which dessert is liked most? Sweet potato

4. Which dessert is liked least? Sweet Potato

10

1. Look at the favorite fruit graph and then answer

2. Complete the following table

Fruit	Apple	Orange	Banana	Watermelon	Grape	Pear
Number of students	5	3	4	8	2	1

3. Answer the questions

- How many students like orange? 3
- How many more students like watermelon than apple? $8 - 5 = 3$
- What if they all sat together how many would sit? $5 + 3 + 4 + 8 + 2 + 1 = 23$
- Which fruit do all like? Watermelon
- Which fruit do all not like? Pear

11

[illegible][illegible]

[illegible][illegible][illegible]

Complete the following:

2. Thousands 232
Twenty thousand, two hundred and two

30,000 + 0 + 250 + 0 + 2
Thousands + 0 hundreds + 0 tens + 2 ones
Sixty thousand 252

50,000 + 8,000 + 100 + 0 + 0 + 0
Thousands + 8 hundreds + 1 tens + 0 ones
Fifty thousand 810

72,000 + 3,000 + 500 + 0 + 0 + 0
Thousands + 3 hundreds + 5 tens + 0 ones
Seventy two thousand 350

73,000 + 3,000 + 500 + 0 + 0 + 0
Thousands + 3 hundreds + 5 tens + 0 ones
Seventy three thousand 500

50,000 + 0,000 + 0,000 + 0,000 + 0 + 0
Tens thousands + 0 thousands + 0 hundreds + 0 tens + 0 ones
Fifty thousand

50,000 + 0,000 + 0,000 + 0,000 + 0 + 0
Tens thousands + 0 thousands + 0 hundreds + 0 tens + 0 ones
Fifty thousand

Write the following numbers in expanded form.

a) Ninety six thousand, five hundred and fifteen = 96 615
b) Seventy thousand Two hundred and five = 70 205
c) Ten thousand and five = 10 005
d) Sixteen thousand and four hundred = 16 400
e) Five thousand and eleven = 5 011
f) 100 000 + 000 + 800 + 40 + 2 = 100 842
g) 100 + 50 000 + 7 + 54 827
h) 20 + 1 + 76 000 + 400 = 76 021
i) 25 thousand + 6 thousand + 8 hundred + 2 = 31 802
j) 6 hundreds + 16 thousands + 2 ones + 3 tens = 16 623
k) 8 hundreds + 20 thousands + 4 ones + 9 tens = 20 849
l) 48 thousand, 508 = 48 508

Write the following numbers in expanded form.

a) 16 606 = 10 000 + 6 000 + 600 + 6
b) 6 125 = 6 000 + 100 + 20 + 5
c) 20 666 = 20 000 + 600 + 60 + 6
d) Ninety six thousand, Two hundred and fifty seven = 96 000 + 200 + 50 + 7
e) Eighty thousand, five hundred and two = 80 000 + 500 + 2
f) Ten Thousand and five = 10 000 + 5
g) 100 + 20 + 3 + 5
h) 15 thousand, 208 = 15 000 + 5 000 + 200 + 8
i) 70 thousand, 285 = 70 000 + 200 + 80 + 5

Write the numbers words by the example:

1) 18 288 one thousand, 2 hundred 88 = 1800 + 800 + 80 + 8

2) 40 128 forty thousand, 1 hundred 28 = 40000 + 1000 + 20 + 8

3) 94 128 = ninety four thousand, 1 hundred 28 = 90000 + 4000 + 100 + 20 + 8

4) 16 650 = sixteen thousand, 6 hundred 50 = 10000 + 6000 + 500 + 0

5) Seventy two thousand, six hundred and fourteen

= 70 thousands + 20000 + 6000 + 1000 + 400 + 10 + 4

6) Eighteen thousand, five hundred and twenty seven

= 10 thousands + 8000 + 5000 + 200 + 20 + 7

7) Ninety thousand and nineteen

= 90000 + 1000 + 9000 + 100 + 90 + 10 + 9

Write in figures the numbers in several terms.

21) 40 300 Forty thousand, three hundred and thirty

22) 20 028 Twenty thousand and twenty eight

23) 20 106 Twenty thousand, one hundred and six

24) 32 thousand, 200 Thirty thousand, two hundred and

25) 40 thousand, 830 Forty thousand, eight hundred and thirty

26) 10 thousand, 970 Ten thousand and ninety

80

[illegible]

EXERCISE 2

1. Complete the table below.

Quantity	Unit Price	Total Price
10 kg of Apples	1.20	12.00
5 kg of Bananas	2.40	12.00
10 kg of Oranges	1.20	12.00
5 kg of Pineapples	2.40	12.00
10 kg of Mangoes	1.20	12.00
5 kg of Guavas	2.40	12.00
10 kg of Limes	1.20	12.00
5 kg of Lemons	2.40	12.00
10 kg of Kiwis	1.20	12.00
5 kg of Pears	2.40	12.00
10 kg of Peaches	1.20	12.00
5 kg of Plums	2.40	12.00
10 kg of Apricots	1.20	12.00
5 kg of Cherries	2.40	12.00
10 kg of Nectarines	1.20	12.00
5 kg of Raspberries	2.40	12.00
10 kg of Blackberries	1.20	12.00
5 kg of Strawberries	2.40	12.00
10 kg of Blueberries	1.20	12.00
5 kg of Elderberries	2.40	12.00
10 kg of Currants	1.20	12.00
5 kg of Gooseberries	2.40	12.00
10 kg of Mulberries	1.20	12.00
5 kg of Huckleberries	2.40	12.00
10 kg of Raspberries	1.20	12.00
5 kg of Blackberries	2.40	12.00
10 kg of Blueberries	1.20	12.00
5 kg of Elderberries	2.40	12.00
10 kg of Currants	1.20	12.00
5 kg of Gooseberries	2.40	12.00
10 kg of Mulberries	1.20	12.00
5 kg of Huckleberries	2.40	12.00

2. Write the total price of each fruit in the box.

10 kg of Apples	12.00
5 kg of Bananas	12.00
10 kg of Oranges	12.00
5 kg of Pineapples	12.00
10 kg of Mangoes	12.00
5 kg of Guavas	12.00
10 kg of Limes	12.00
5 kg of Lemons	12.00
10 kg of Kiwis	12.00
5 kg of Pears	12.00
10 kg of Peaches	12.00
5 kg of Plums	12.00
10 kg of Apricots	12.00
5 kg of Cherries	12.00
10 kg of Nectarines	12.00
5 kg of Raspberries	12.00
10 kg of Blackberries	12.00
5 kg of Strawberries	12.00
10 kg of Blueberries	12.00
5 kg of Elderberries	12.00
10 kg of Currants	12.00
5 kg of Gooseberries	12.00
10 kg of Mulberries	12.00
5 kg of Huckleberries	12.00

3. Write the total price of each fruit in the box.

10 kg of Apples	12.00
5 kg of Bananas	12.00
10 kg of Oranges	12.00
5 kg of Pineapples	12.00
10 kg of Mangoes	12.00
5 kg of Guavas	12.00
10 kg of Limes	12.00
5 kg of Lemons	12.00
10 kg of Kiwis	12.00
5 kg of Pears	12.00
10 kg of Peaches	12.00
5 kg of Plums	12.00
10 kg of Apricots	12.00
5 kg of Cherries	12.00
10 kg of Nectarines	12.00
5 kg of Raspberries	12.00
10 kg of Blackberries	12.00
5 kg of Strawberries	12.00
10 kg of Blueberries	12.00
5 kg of Elderberries	12.00
10 kg of Currants	12.00
5 kg of Gooseberries	12.00
10 kg of Mulberries	12.00
5 kg of Huckleberries	12.00

4. Write the total price of each fruit in the box.

10 kg of Apples	12.00
5 kg of Bananas	12.00
10 kg of Oranges	12.00
5 kg of Pineapples	12.00
10 kg of Mangoes	12.00
5 kg of Guavas	12.00
10 kg of Limes	12.00
5 kg of Lemons	12.00
10 kg of Kiwis	12.00
5 kg of Pears	12.00
10 kg of Peaches	12.00
5 kg of Plums	12.00
10 kg of Apricots	12.00
5 kg of Cherries	12.00
10 kg of Nectarines	12.00
5 kg of Raspberries	12.00
10 kg of Blackberries	12.00
5 kg of Strawberries	12.00
10 kg of Blueberries	12.00
5 kg of Elderberries	12.00
10 kg of Currants	12.00
5 kg of Gooseberries	12.00
10 kg of Mulberries	12.00
5 kg of Huckleberries	12.00

5. Write the total price of each fruit in the box.

10 kg of Apples	12.00
5 kg of Bananas	12.00
10 kg of Oranges	12.00
5 kg of Pineapples	12.00
10 kg of Mangoes	12.00
5 kg of Guavas	12.00
10 kg of Limes	12.00
5 kg of Lemons	12.00
10 kg of Kiwis	12.00
5 kg of Pears	12.00
10 kg of Peaches	12.00
5 kg of Plums	12.00
10 kg of Apricots	12.00
5 kg of Cherries	12.00
10 kg of Nectarines	

[illegible]

Write the number shown on the Abacus

758 378
Seven hundred fifty thousand and seventy eight
 $700\,000 + 50\,000 + 8\,000 + 300 + 70 + 8$

758 thousands + 9 hundreds + 7 tens + 8 ones

700 810
Seven hundred and eighty one thousand eight hundred and ten
 $700\,000 + 0 + 0 + 800 + 100 + 0$

700 thousands + 8 hundreds + 1 tens + 0 ones

810 003
Eight hundred and three thousand
 $800\,000 + 10\,000 + 3\,000 + 0 + 0 + 0 + 3$

Two hundred thousand and three

200 003
Two hundred thousand and three
 $200\,000 + 0 + 0 + 0 + 0 + 0 + 3$

200 thousands + 0 hundreds + 0 tens + 3 ones

Write the following numbers in standard form

a) Five hundred six thousand, two hundred forty five
 $506\,245$
b) 17 thousands + 483 = $17\,483$
c) 200 880 + 40 000 + 5 000 + 800 + 80 + 2 = $245\,882$

Write the following numbers in word form

a) 600 500 Six hundred thousand and fifty

b) 550 thousand + 2 hundreds + 50 thousand and fifty
Five hundred and two thousand and fifty

c) 220 thousand, 20 Two hundred and twenty thousand

d) 270 880 + 200 Two hundred thousand and eight hundred and eighty

Write the following numbers in word form

a) Nine hundred thousand and fifteen
900 thousand and 15
b) 150 thousand + 12 ten = 150 thousand 320
c) 175 007 175 thousand, 7

Write the following numbers in standard form

a) 100 000 + 10 000 + 8 000 + 800 + 80 + 5 = 108 880
b) 810 125 = 800 000 + 10 000 + 1 000 + 100 + 20 + 5
c) 130 370 = 130 thousands + 3 hundreds + 7 tens + 0 ones
d) seven hundred ninety five thousand, nine hundred eighty four
= 795 000 + 90 000 + 8 000 + 800 + 40 + 4

e) 15 thousands, 170
= 15 000 + 10 000 + 5 000 + 0 + 0 + 0 + 170 = 15 170

Write the number shown on the Abacus

349 903
Three hundred and forty nine thousand, nine hundred and three
 $300\,000 + 40\,000 + 9\,000 + 0 + 0 + 0 + 3$

724 321
Seven hundred and twenty four thousand, three hundred and twenty one
 $700\,000 + 20\,000 + 4\,000 + 300 + 20 + 1$

249 010
Two hundred and forty nine thousand, ten
 $200\,000 + 40\,000 + 9\,000 + 0 + 10 + 0$

240 000
Two hundred and forty thousand
 $200\,000 + 40\,000 + 0 + 0 + 0 + 0 + 0$

240 000
Two hundred and forty thousand
 $200\,000 + 40\,000 + 0 + 0 + 0 + 0 + 0$

Write the number shown on the Abacus

370 445
Three hundred and seventy thousand, four hundred and forty five
 $300\,000 + 70\,000 + 0 + 400 + 40 + 5$

372 thousands + 4 hundreds + 4 tens + 5 ones

606 040
Six hundred and six thousand, forty
 $600\,000 + 6\,000 + 0 + 40 + 0 + 0 + 0$

Eighty thousand one hundred and forty
 $80\,000 + 1\,000 + 0 + 40 + 0 + 0 + 0$

606 000
Six hundred and six thousand
 $600\,000 + 6\,000 + 0 + 0 + 0 + 0 + 0$

404 thousands
Four hundred and four thousand
 $400\,000 + 4\,000 + 0 + 0 + 0 + 0 + 0$

404 thousands + 0 hundreds + 0 tens + 0 ones

Write the following numbers in word form

a) 102 004
One hundred and two thousand, four
b) 100 000 + 10 000 + 1 000 + 100 + 0 + 0 + 0 = 111 100
c) 100 000 + 10 000 + 1 000 + 100 + 0 + 0 + 0 = 111 100

Write the following numbers in standard form

a) 740 575
Seven hundred and forty thousand, five hundred and seventy five
b) seven hundred and forty thousand five hundred and seventy five
c) 100 000 + 10 000 + 1 000 + 100 + 0 + 0 + 0 = 111 100
d) 210 thousands + 5 hundreds = 210 500

Write the following numbers in word form

a) 63 780
Sixty three thousand, seven hundred and eighty
b) The hundred forty four thousand seven hundred and eighty two
c) 20 000 + 32 000 + 4 000 + 100 + 80 + 0 = 56 180
d) 124 thousands + 7 hundreds = 124 700

Write the number shown on the Abacus

600 300
Six hundred and three thousand
 $600\,000 + 3\,000 + 0 + 0 + 0 + 0 + 0$

300 000
Three hundred thousand
 $300\,000 + 0 + 0 + 0 + 0 + 0 + 0$

300 000
Three hundred thousand
 $300\,000 + 0 + 0 + 0 + 0 + 0 + 0$

300 000
Three hundred thousand
 $300\,000 + 0 + 0 + 0 + 0 + 0 + 0$

300 000
Three hundred thousand
 $300\,000 + 0 + 0 + 0 + 0 + 0 + 0$

Write the following numbers in standard form

a) Nine hundred and ninety nine
999
b) Five hundred twenty six thousand, three
526 015
c) Two hundred thirty seven thousand
237 000
d) Five hundred thousand, fifty
500 050
e) Five hundred fifty thousand
550 000
f) Five hundred thousand, five
500 005
g) Five hundred five thousand
505 000
h) Five hundred thousand, five hundred
500 500
i) Eight hundred sixty seven thousand, seven hundred and eight
867 708
j) Seven hundred thirty thousand, thirty seven
730 337
k) Nine hundred and ninety nine thousand, ninety nine
999 999
l) Four hundred and forty thousand
440 000
m) Four hundred four thousand, four hundred and four
444 444
n) Six hundred and sixty six thousand, six hundred and six
666 666

Write the following numbers in word form

a) 795 591
Seven hundred and ninety five thousand, five hundred and ninety one
b) 802 020
Eight hundred and two thousand, two hundred and twenty
c) 840 120
Eight hundred and forty thousand, one hundred and twenty
d) 805 217
Eight hundred and five thousand, two hundred and seventeen
e) 899 899
Eight hundred and ninety nine thousand, eight hundred and ninety nine
f) 308 000
Three hundred and eight thousand
g) 300 000
Three hundred thousand
h) 300 000
Three hundred thousand
i) 300 000
Three hundred thousand
j) 300 000
Three hundred thousand

Complete

a) $900\,000 + 20\,000 + 4\,000 + 800 + 90 + 3 = 924\,893$
b) $8 = 80 + 800 + 3\,000 + 70\,000 + 800\,000 = 878\,883$
c) $800\,000 + 2\,000 + 810 + 7 = 802\,817$
d) $500\,000 + 80\,000 + 8 = 580\,008$
e) $600\,000 + 800 + 40 + 2 = 600\,842$
f) $60 = 600\,000 + 6\,000 = 606\,000$
g) $700\,000 = 700\,000 + 80\,000 + 900 + 80 = 780\,880$
h) $800\,100 = 800\,000 + 1\,000 + 0 + 0 + 0 = 801\,000$
i) $100\,000 = 100\,000 + 800 + 3 = 100\,803$
j) $900\,000 + 900\,000 + 2\,000 = 1\,802\,000$

Complete

a) 855 321 = 800 thousands + 50 thousands + 5 thousands + 3 hundreds + 2 tens + 1 ones
b) 829 025 = 800 thousands + 20 thousands + 9 thousands + 2 hundreds + 0 tens + 5 ones
c) 88 823 = 80 thousands + 8 thousands + 2 hundreds + 8 tens + 3 ones
d) 10 003 = 10 thousands + 0 hundreds + 3 tens + 3 ones
e) 18 200 thousands + 2 hundreds + 6 tens + 7 ones = 18 200 670
f) 8 hundreds + 0 ones + 792 thousands + 3 tens = 792 830
g) 0 ones + 25 thousands + 7 tens = 25 070
h) 12 thousands + 9 tens = 12 090

MAKING

UNIT 3

1. Circle the right number.

1. How many are in a thousand? 100 1000 10000

2. 100 hundreds = 10000 1000 10000 100000

3. 1000 tens = 10000 1000 10000 100000

4. 1000 hundreds = 100000 1000 10000 100000

2. Complete the table.

Two hundred 200	Twenty 20	Two 2
7000 + 50 + 2000 = 7000 + 500 = 7500	7000 + 50 + 2000 = 7000 + 500 = 7500	7000 + 50 + 2000 = 7000 + 500 = 7500
7000 + 500 = 7500	7000 + 500 = 7500	7000 + 500 = 7500
7000 + 5000 = 12000	7000 + 5000 = 12000	7000 + 5000 = 12000

3. Answer the questions.

1. How many are in a thousand? 1000

2. How many are in a hundred? 100

3. How many are in a ten? 10

4. How many are in a one? 1

4. Match.

Six hundred thousand	600 000
Six hundred thousand are rounded	600 000
Six hundred fifty thousand	650 000
Six hundred fifty thousand are rounded	650 000

5. Write the number.

1. Two hundred 200

2. Twenty 20

3. Two 2

4. 7000 + 50 + 2000 = 7500

5. 7000 + 500 = 7500

6. 7000 + 5000 = 12000

6. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

7. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

8. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

9. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

10. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

11. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

12. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

13. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

14. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

15. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

16. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

17. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

18. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

19. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

20. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

21. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

22. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

23. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

24. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

25. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

26. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

27. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

28. Write the number.

1. 600 000

2. 650 000

3. 600 000

4. 650 000

29. Write the number.

1. 600 000

2. 6

Example 4 The place-value

100's 10's 1's

55 100 500 300 10 5

55 100 500 300 10 5

Problem

The digit 4 in the number 456 789 is in the place of 10's. What is its value?

Place	Value	Digit	Value
100's	4	5	500
10's	5	6	60
1's	6	7	7
100's	7	8	800
10's	8	9	90
1's	9	0	0

2 Write the value of the digit 7 in each of the following

3 Write the value of the digit 7 in each of the following

4 Write the value of the digit 7 in each of the following

5 Complete each of the following

6 775 is increased by 5 hundreds + 4 tens = 77550.

7 8045 + 354 hundreds + 4 tens = 35494

8 45045 = 45 + 15000

9 806250 = 250 + 80000

10 245 = 2 thousands + 4 hundreds + 5 tens

	The number	The value of the number in the	The place value of the number in the
a	7 88 326	700 000	hundreds of thousands
b	1 00 996	10 300	thousands
c	3 25 488	300	hundreds
d	4 14 807	80	Tens
e	8 40 870	5	ones
f	6 00 600	6	thousands
g	2 67 086	6	hundreds
h	3 10 200	1	thousands
i	6 06 600	600 000	hundreds of thousands
j	4 07 082	70 000	thousands
k	2 8 006	6	Tens
l	1 2 067	80 000	Tens of thousands
m	6 5 077	40	Tens
n	2 078	800	Hundreds
o	8 7 00	4	ones
p	4 7 00	6	Tens
q	0 000	8 000	Ten thousands
r	2 000	8	ones

[illegible]

Complete each of the following:

- 1) $200\ 000 + 30\ 000\ 000 + 1\ 000\ 000 + 6000 = 60\ 200\ 000$
- 2) $500\ 000 + 60 + 500\ 005 = 1\ 000\ 000 + 60 = 1\ 000\ 060$
- 3) $600\ 000 + 600 + 4000 + 5 = 1\ 000\ 600 + 5 = 1\ 000\ 605$
- 4) $100\ 000 + 90 + 9 = 100\ 099$
- 5) $100\ 000 + 15 + 150\ 015 = 1\ 000\ 000 + 15 + 150\ 000 = 1\ 150\ 015$
- 6) $100\ 000 + 10 + 300\ 010 = 400\ 010$
- 7) $80\ 000 + 30\ 000 = 110\ 000$
- 8) $700\ 000 + 70 + 30\ 000 = 730\ 070$
- 9) $100\ 000 + 100\ 000 + 200 + 200 + 100 + 10 = 200\ 400$
- 10) $100\ 000 + 20\ 000 + 3\ 000 + 200 + 100 + 10 = 123\ 500$
- 11) $10\ 000 + 1\ 000 + 800 + 10 + 2 = 11\ 812$
- 12) $1\ 000 + 90 + 100\ 000 + 300 = 101\ 390$
- 13) $99 + 100\ 000 + 9 = 100\ 099$
- 14) $100\ 000 + 3\ 000 + 200\ 000 = 203\ 200$
- 15) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 16) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 17) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 18) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
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- 32) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
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- 56) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 57) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 58) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 59) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 60) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 61) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 62) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 63) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 64) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 65) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 66) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 67) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 68) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 69) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 70) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 71) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 72) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 73) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 74) $200\ 000 + 5\ 000 + 3\ 000 + 10 + 1 = 208\ 011$
- 75) $200\ 000 + 5\ 000 + 3\ 000$

Sheet 4

Exercise 1: Complete the table:

Twenty five thousand, four hundred and six	25 000 + 400 + 6 =	25 406
200 020 + 50 =	200 000 + 50 =	200 050
10 thousands + One hundred =	10 000 + 100 =	10 100
100 + 20 =	100 + 20 =	120
The value of 9 in 915 is ten times the number 360 is	360 × 10 =	3 600
5 000 + 1 000 =	5 000 + 1 000 =	6 000

Exercise 2: Complete the following:

200 000 + 100 000 + 4 000 = 300 000 + 4 000 = 304 000

The place value of the digit 5 in the number 565 100 is 5 thousands.

7 tens + 3 ones = 67 hundreds = 6 700

18 thousand, 60 = 18 060

750 000 (Seven hundred and fifty thousand)

Page _____

Before and After

Example

The number 35 783 comes right after 35 782

The number that comes right after 66 251 is 66 256

Exercise

The number 338 088 comes right before 338 090

The number that comes right before 338 090 is 338 088

1 The number that comes right after

35 783 is	35 784	315 088 is	315 089
88 028 is	88 031	820 998 is	821 000
46 198 is	46 201	800 999 is	801 000

2 The number that comes right before,

378 098 is	378 097	13 000 is	12 999
682 848 is	682 847	50 000 is	49 999
700 000 is	699 999	4 800 is	4 799

Completed in 15 minutes

	The number before	The number	The number after
a	36 138	66 110	24 100
b	378 39	100 888	11 000
c	8 377	8 378	8 379

4.12 **Complain in the same pattern**

26 00	26 C10	76 000	76 D12
20 000	25 E	75 000	75 000
25 00	25 00 50	25 100	25 110
20 120	26 130	25 140	25 150

The pattern
= 10

8 000	23 050	22 060	21 070
20 120	19 080	18 090	17 060
16 100	15 050	14 050	13 000
12 050	11 060	10 060	0 050

The pattern
= 000

5 00 000	051 200	049 200	037 000
048 200	036 200	024 200	013 200
003 200	002 000	001 200	000 200
000 200	000 200	000 200	000 200

The pattern
= 10 200

5. Complete.

- The number that comes right after 27 889 is 27 890
- The number that comes right after 30 000 is 30 001
- The number 5 526 comes right after 5 527
- The number 62 2 060 comes right before 62 205
- The number 50 078 comes right before 50 080
- The number 1 000 comes right after 2 125

72

4. The largest number formed from 1 is right is

(1) 5, 0, 6, 2, 7 and 3 is 476 522

(2) 17, 4, 2, 0, 4 and 5 is 476 421

(3) 0, 3, 5 and 4 is 45 433

(4) 0, 0, 4 and 1 is 50 413

(5) 3, 2, 4 and 7 is 57 402

(6) 2, 7, 0 and 3 is 137

5. The smallest number formed from the digits-

(1) 4, 2, 5 and 0 is 2540

(2) 7, 0, 0 and 4 is 4 077

(3) 2, 0, 5 and 3 is 204

(4) 7, 0, 0 and 1 is 10 010

(5) 0, 2, 7, 8 and 6 is 230 200

(6) 4, 1, 0, 7, 0 and 0 is 110 670

6. The largest and the smallest 8-digit number formed from the digits-

(1) 8, 2, 7 and 0 is 89732 22 574

(2) 3, 2 and 5 is 50 512 22 250

(3) 0 and 3 is 86 000 33 330

(4) 2, 0 and 3 is 800 032 227 224

(5) 4, 8, 0 and 1 is 800 001 11 100

(6) 4 and 0 is 84 000 000 000

Chapter 8

1. Circle the correct answer.

1) The largest 4-digit number from 5 different digits is
(A) 9000 (B) 9876 (C) 9999 (D) 9990

2) $22 \times 102 = 22 \times$
(A) 1000 (B) 100 (C) 72 (D) 200

3) The value of the digit 1 in the number 438 688 is
(A) 800 (B) 8000 (C) 80000 (D) 800000

4) 48 hundreds =
(A) 4800 (B) 48000 (C) 45000 (D) 450

5) 15 thousands + 8 ones + 5 hundreds + 8 tens =
(A) 15 385 (B) 15 085 (C) 16 090 (D) 16 085

2. Complete the table below.

Digit	Expanded form	Value
1	1000000	1 000 000
2	100000	100 000
3	10000	10 000
4	1000	1000
5	100	100
6	10	10
7	1	1

3. Write the number in figures.

1) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

2) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

3) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

4) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

5) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

6) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

7) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

8) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

9) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

10) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

11) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

12) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

13) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

14) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

15) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

16) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

17) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

18) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

19) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

20) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

21) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

22) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

23) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

24) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

25) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

26) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

27) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

28) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

29) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

30) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

31) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

32) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

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36) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

37) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

38) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

39) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

40) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

41) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

42) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

43) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

44) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

45) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

46) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

47) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

48) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

49) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

50) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

51) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

52) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

53) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

54) 1000000 + 100000 + 10000 + 1000 + 100 + 10 + 1 = 1 111 111

55) 1000000 + 100000 + 10000 + 1000 +

Arranging in numbers

1) Ascending order
From the smallest number to the greatest number

2) Descending order
From the greatest number to the smallest number

Arrange each group of the following numbers in ascending order

1. 23, 40, 60, 48, 92, 25, 35, 10, 45, 15, 85

Then descending order

100, 200, 300, 400, 500, 600, 700, 800, 900

Then descending order

999, 100, 9999, 999, 1000, 99, 999, 1000, 999

3. 0.008, 0.025, 0.004, 0.009, 0.005

The ascending order

0.004, 0.005, 0.008, 0.009, 0.025

The descending order

0.025, 0.009, 0.008, 0.005, 0.004

4. 50.950, 50.000, 50.000, 50.000, 40.000

The ascending order

40.000, 50.000, 50.000, 50.000, 50.950

The descending order

50.950, 50.000, 50.000, 50.000, 40.000

Arrange each group of the following numbers in an ascending order and in a descending order.

1. 45 299, 88 799, 98 192, 75 893, 92 694

The ascending order:
21 788, 45 299, 62 539, 75 893, 88 799

The descending order:
88 799, 82 639, 62 539, 45 299, 21 788

2. 42 023, 88 123, 75 023, 54 987, 20 268

The ascending order:
20 268, 42 023, 54 987, 75 023, 88 123

The descending order:
88 123, 75 023, 54 987, 42 023, 20 268

3. 500 500, 100 000, 500 000, 100 000, 100 000

The ascending order:
100 000, 100 000, 500 000, 500 000, 500 000

The descending order:
500 000, 500 000, 500 000, 100 000, 100 000

4. 700 004, 700 000, 700 504, 700 040, 700 450

The ascending order:
700 000, 700 040, 700 450, 700 504, 700 004

The descending order:
700 504, 700 000, 700 450, 700 040, 700 004

5 5 102, 8 120, 5 220, 9 019, 7 002
The ascending order
80 25, 6 320, 7 002, 9 019, 8 120

The descending order
9 019, 8 120, 7 002, 6 320, 8 25

6 100 451, 100 164, 100 541, 100 415, 100 162
The ascending order,
100 162, 100 541, 100 415, 100 451, 100 164

The descending order
100 541, 100 451, 100 415, 100 164, 100 162

7 4 600, 4 100, 4 000, 4 500, 4 600
The ascending order,
4 000, 4 100, 4 500, 4 600, 4 600

The descending order
4 600, 4 600, 4 500, 4 100, 4 000

8 40 000, 40 000, 40 000, 40 500, 40 500
The ascending order
40 000, 40 000, 40 000, 40 500, 40 500

The descending order
40 500, 40 500, 40 000, 40 000, 40 000

9 9 000, 9 000, 9 000, 9 000, 9 000
The ascending order
9 000, 9 000, 9 000, 9 000, 9 000

The descending order
9 000, 9 000, 9 000, 9 000, 9 000

00007

1. Find the Least Common Denominator

1) 10 and 3 have LCM = 30 because $10 \times 3 = 30$ and $3 \times 10 = 30$

2) 10 and 6 have LCM = 30 because $10 \times 3 = 30$ and $6 \times 5 = 30$

3) 10 and 15 have LCM = 30 because $10 \times 3 = 30$ and $15 \times 2 = 30$

4) 10 and 20 have LCM = 20 because $10 \times 2 = 20$ and $20 \times 1 = 20$

5) 10 and 25 have LCM = 50 because $10 \times 5 = 50$ and $25 \times 2 = 50$

6) 10 and 30 have LCM = 30 because $10 \times 3 = 30$ and $30 \times 1 = 30$

7) 10 and 40 have LCM = 40 because $10 \times 4 = 40$ and $40 \times 1 = 40$

8) 10 and 50 have LCM = 50 because $10 \times 5 = 50$ and $50 \times 1 = 50$

9) 10 and 60 have LCM = 60 because $10 \times 6 = 60$ and $60 \times 1 = 60$

10) 10 and 70 have LCM = 70 because $10 \times 7 = 70$ and $70 \times 1 = 70$

11) 10 and 80 have LCM = 80 because $10 \times 8 = 80$ and $80 \times 1 = 80$

12) 10 and 90 have LCM = 90 because $10 \times 9 = 90$ and $90 \times 1 = 90$

13) 10 and 100 have LCM = 100 because $10 \times 10 = 100$ and $100 \times 1 = 100$

14) 10 and 110 have LCM = 110 because $10 \times 11 = 110$ and $110 \times 1 = 110$

15) 10 and 120 have LCM = 120 because $10 \times 12 = 120$ and $120 \times 1 = 120$

16) 10 and 130 have LCM = 130 because $10 \times 13 = 130$ and $130 \times 1 = 130$

17) 10 and 140 have LCM = 140 because $10 \times 14 = 140$ and $140 \times 1 = 140$

18) 10 and 150 have LCM = 150 because $10 \times 15 = 150$ and $150 \times 1 = 150$

19) 10 and 160 have LCM = 160 because $10 \times 16 = 160$ and $160 \times 1 = 160$

20) 10 and 170 have LCM = 170 because $10 \times 17 = 170$ and $170 \times 1 = 170$

21) 10 and 180 have LCM = 180 because $10 \times 18 = 180$ and $180 \times 1 = 180$

22) 10 and 190 have LCM = 190 because $10 \times 19 = 190$ and $190 \times 1 = 190$

23) 10 and 200 have LCM = 200 because $10 \times 20 = 200$ and $200 \times 1 = 200$

24) 10 and 210 have LCM = 210 because $10 \times 21 = 210$ and $210 \times 1 = 210$

25) 10 and 220 have LCM = 220 because $10 \times 22 = 220$ and $220 \times 1 = 220$

26) 10 and 230 have LCM = 230 because $10 \times 23 = 230$ and $230 \times 1 = 230$

27) 10 and 240 have LCM = 240 because $10 \times 24 = 240$ and $240 \times 1 = 240$

28) 10 and 250 have LCM = 250 because $10 \times 25 = 250$ and $250 \times 1 = 250$

29) 10 and 260 have LCM = 260 because $10 \times 26 = 260$ and $260 \times 1 = 260$

30) 10 and 270 have LCM = 270 because $10 \times 27 = 270$ and $270 \times 1 = 270$

31) 10 and 280 have LCM = 280 because $10 \times 28 = 280$ and $280 \times 1 = 280$

32) 10 and 290 have LCM = 290 because $10 \times 29 = 290$ and $290 \times 1 = 290$

33) 10 and 300 have LCM = 300 because $10 \times 30 = 300$ and $300 \times 1 = 300$

34) 10 and 310 have LCM = 310 because $10 \times 31 = 310$ and $310 \times 1 = 310$

35) 10 and 320 have LCM = 320 because $10 \times 32 = 320$ and $320 \times 1 = 320$

36) 10 and 330 have LCM = 330 because $10 \times 33 = 330$ and $330 \times 1 = 330$

37) 10 and 340 have LCM = 340 because $10 \times 34 = 340$ and $340 \times 1 = 340$

38) 10 and 350 have LCM = 350 because $10 \times 35 = 350$ and $350 \times 1 = 350$

39) 10 and 360 have LCM = 360 because $10 \times 36 = 360$ and $360 \times 1 = 360$

40) 10 and 370 have LCM = 370 because $10 \times 37 = 370$ and $370 \times 1 = 370$

41) 10 and 380 have LCM = 380 because $10 \times 38 = 380$ and $380 \times 1 = 380$

42) 10 and 390 have LCM = 390 because $10 \times 39 = 390$ and $390 \times 1 = 390$

43) 10 and 400 have LCM = 400 because $10 \times 40 = 400$ and $400 \times 1 = 400$

44) 10 and 410 have LCM = 410 because $10 \times 41 = 410$ and $410 \times 1 = 410$

45) 10 and 420 have LCM = 420 because $10 \times 42 = 420$ and $420 \times 1 = 420$

46) 10 and 430 have LCM = 430 because $10 \times 43 = 430$ and $430 \times 1 = 430$

47) 10 and 440 have LCM = 440 because $10 \times 44 = 440$ and $440 \times 1 = 440$

48) 10 and 450 have LCM = 450 because $10 \times 45 = 450$ and $450 \times 1 = 450$

49) 10 and 460 have LCM = 460 because $10 \times 46 = 460$ and $460 \times 1 = 460$

50) 10 and 470 have LCM = 470 because $10 \times 47 = 470$ and $470 \times 1 = 470$

51) 10 and 480 have LCM = 480 because $10 \times 48 = 480$ and $480 \times 1 = 480$

52) 10 and 490 have LCM = 490 because $10 \times 49 = 490$ and $490 \times 1 = 490$

53) 10 and 500 have LCM = 500 because $10 \times 50 = 500$ and $500 \times 1 = 500$

54) 10 and 510 have LCM = 510 because $10 \times 51 = 510$ and $510 \times 1 = 510$

55) 10 and 520 have LCM = 520 because $10 \times 52 = 520$ and $520 \times 1 = 520$

56) 10 and 530 have LCM = 530 because $10 \times 53 = 530$ and $530 \times 1 = 530$

57) 10 and 540 have LCM = 540 because $10 \times 54 = 540$ and $540 \times 1 = 540$

58) 10 and 550 have LCM = 550 because $10 \times 55 = 550$ and $550 \times 1 = 550$

59) 10 and 560 have LCM = 560 because $10 \times 56 = 560$ and $560 \times 1 = 560$

60) 10 and 570 have LCM = 570 because $10 \times 57 = 570$ and $570 \times 1 = 570$

61) 10 and 580 have LCM = 580 because $10 \times 58 = 580$ and $580 \times 1 = 580$

62) 10 and 590 have LCM = 590 because $10 \times 59 = 590$ and $590 \times 1 = 590$

63) 10 and 600 have LCM = 600 because $10 \times 60 = 600$ and $600 \times 1 = 600$

64) 10 and 610 have LCM = 610 because $10 \times 61 = 610$ and $610 \times 1 = 610$

65) 10 and 620 have LCM = 620 because $10 \times 62 = 620$ and $620 \times 1 = 620$

66) 10 and 630 have LCM = 630 because $10 \times 63 = 630$ and $630 \times 1 = 630$

67) 10 and 640 have LCM = 640 because $10 \times 64 = 640$ and $640 \times 1 = 640$

68) 10 and 650 have LCM = 650 because $10 \times 65 = 650$ and $650 \times 1 = 650$

12.13

1. Complete using <, = or >:

5 025	<	62 009	73 049	<	79 003
10 101	>	4 017	48 082	>	54 26

24 thousands > 4 hundreds 1 78 000

90 = 900 Sixty thousand and sixty

2. Write the number shown on the Abacus:

10 thousands 4 thousands 2 hundreds 1 tens

14 210

3. Write the number and the place value.

14 210 14 thousands 2 hundreds 1 tens

4. Write the number and the place value.

14 210 14 thousands 2 hundreds 1 tens

5. Complete in the same pattern.

57 000	50 000	50 000	
55 000	50 000	50 000	
53 000	50 000	50 000	
51 000	50 000	50 000	
49 000	50 000	50 000	

The pattern
1000

Page _____

Addition

Example 1 Addition using the place-value strategy.

To add: $3\ 057 + 1\ 621$

$3\ 057 = 3\ 000 + 500 + 50 + 7$

$1\ 621 = 1\ 000 + 500 + 20 + 1$

$3\ 000 + 1\ 000 + 500 + 20 + 7 + 1 = 5\ 688$

Before the addition problems below using
the place-value strategy

Problems	Mark Scheme	Sum
$1027 + 321$	$1000 + 200 + 20 + 7$ $300 + 20 + 1$ $1000 + 200 + 0$	1348
$9\ 236 + 1\ 542$	$9\ 000 + 200 + 20 + 6$ $1\ 000 + 500 + 40 + 2$ $7\ 000 + 700 + 110 + 8$	10 778
$2\ 594 + 279$	$2\ 000 + 500 + 10 + 4$ $200 + 70 + 9$ $2\ 000 + 700 + 80 + 13$	2 873

[illegible]

MAIN

1. Solve the addition problems below using the place-value strategy.

Problem	Work Space	Sum
352 + 121	$\begin{array}{r} 352 \\ + 121 \\ \hline \end{array}$	473
379 + 342	$\begin{array}{r} 379 \\ + 342 \\ \hline \end{array}$	721
128 + 438	$\begin{array}{r} 128 \\ + 438 \\ \hline \end{array}$	566
420 + 237	$\begin{array}{r} 420 \\ + 237 \\ \hline \end{array}$	657
100 + 692	$\begin{array}{r} 100 \\ + 692 \\ \hline \end{array}$	792

91

MAIN

1. Solve the addition problems below using the number line strategy.

Problem	Work Space	Sum
5125 + 3753	$\begin{array}{r} 5125 \\ + 3753 \\ \hline \end{array}$	8878
6287 + 1821	$\begin{array}{r} 6287 \\ + 1821 \\ \hline \end{array}$	8108
246 + 3491	$\begin{array}{r} 246 \\ + 3491 \\ \hline \end{array}$	3737
15466 + 2314	$\begin{array}{r} 15466 \\ + 2314 \\ \hline \end{array}$	17780
7387 + 212	$\begin{array}{r} 7387 \\ + 212 \\ \hline \end{array}$	7599
824 + 150	$\begin{array}{r} 824 \\ + 150 \\ \hline \end{array}$	974

92

MAIN

2. Solve the addition problems below using the number line strategy.

Problem	Work Space	Sum
890 + 343	$\begin{array}{r} 890 \\ + 343 \\ \hline \end{array}$	1233
147 + 237	$\begin{array}{r} 147 \\ + 237 \\ \hline \end{array}$	384
1244 + 773	$\begin{array}{r} 1244 \\ + 773 \\ \hline \end{array}$	2017
287 + 272	$\begin{array}{r} 287 \\ + 272 \\ \hline \end{array}$	559
434 + 421	$\begin{array}{r} 434 \\ + 421 \\ \hline \end{array}$	855

93

MAIN

1. Solve the addition problems below using the place-value strategy.

Problem	Work Space	Sum
320 + 4224	$\begin{array}{r} 320 \\ + 4224 \\ \hline \end{array}$	4544
3661 + 2833	$\begin{array}{r} 3661 \\ + 2833 \\ \hline \end{array}$	6494
4258 + 6184	$\begin{array}{r} 4258 \\ + 6184 \\ \hline \end{array}$	10442
40128 + 325	$\begin{array}{r} 40128 \\ + 325 \\ \hline \end{array}$	40453
3587 + 412	$\begin{array}{r} 3587 \\ + 412 \\ \hline \end{array}$	4000

94

MAIN

2. Find the sum of each of the following:

$\begin{array}{r} 123 \\ + 456 \\ \hline \end{array}$	$\begin{array}{r} 789 \\ + 123 \\ \hline \end{array}$	$\begin{array}{r} 456 \\ + 789 \\ \hline \end{array}$
$\begin{array}{r} 345 \\ + 678 \\ \hline \end{array}$	$\begin{array}{r} 234 \\ + 567 \\ \hline \end{array}$	$\begin{array}{r} 890 \\ + 123 \\ \hline \end{array}$
$\begin{array}{r} 567 \\ + 890 \\ \hline \end{array}$	$\begin{array}{r} 901 \\ + 234 \\ \hline \end{array}$	$\begin{array}{r} 123 \\ + 456 \\ \hline \end{array}$

95

MAIN

3. Solve the subtraction problems below using the number line strategy.

Problem	Work Space	Difference
500000 - 123456	$\begin{array}{r} 500000 \\ - 123456 \\ \hline \end{array}$	376544
300000 - 456789	$\begin{array}{r} 300000 \\ - 456789 \\ \hline \end{array}$	-156789
200000 - 789012	$\begin{array}{r} 200000 \\ - 789012 \\ \hline \end{array}$	-589012
100000 - 345678	$\begin{array}{r} 100000 \\ - 345678 \\ \hline \end{array}$	-245678
400000 - 901234	$\begin{array}{r} 400000 \\ - 901234 \\ \hline \end{array}$	-501234

96

MAIN

Subtraction

1. Solve the subtraction problems below using the place-value strategy.

Subtraction Problem	Check
$\begin{array}{r} 804 \\ - 532 \\ \hline \end{array}$	$804 - 532 = 272$
$\begin{array}{r} 780 \\ - 400 \\ \hline \end{array}$	$780 - 400 = 380$
$\begin{array}{r} 2550 \\ - 1225 \\ \hline \end{array}$	$2550 - 1225 = 1325$

97

MAIN

2. Solve the subtraction problems below using the number line strategy.

Subtraction Problem	Check
$\begin{array}{r} 883 \\ - 532 \\ \hline \end{array}$	$883 - 532 = 351$
$\begin{array}{r} 7025 \\ - 1218 \\ \hline \end{array}$	$7025 - 1218 = 5807$
$\begin{array}{r} 6528 \\ - 416 \\ \hline \end{array}$	$6528 - 416 = 6112$

98

MAIN

3. Solve the subtraction problems below using the number line strategy.

Subtraction Problem	Check
$\begin{array}{r} 700 \\ - 138 \\ \hline \end{array}$	$700 - 138 = 562$
$\begin{array}{r} 703 \\ - 543 \\ \hline \end{array}$	$703 - 543 = 160$
$\begin{array}{r} 627 \\ - 514 \\ \hline \end{array}$	$627 - 514 = 113$
$\begin{array}{r} 7456 \\ - 638 \\ \hline \end{array}$	$7456 - 638 = 6818$
$\begin{array}{r} 4882 \\ - 881 \\ \hline \end{array}$	$4882 - 881 = 4001$

99

Math

Subtraction Problems

1. $7000 - 3551 = 3449$

2. $6321 - 6210 = 111$

3. $3100 - 3000 = 100$

4. $4321 - 3011 = 1310$

5. $3500 - 300 = 3200$

6. $3100 - 500 = 2600$

Check

1. $3449 + 3551 = 7000$

2. $111 + 6210 = 6321$

3. $100 + 3000 = 3100$

4. $1310 + 3011 = 4321$

5. $3200 + 300 = 3500$

6. $2600 + 500 = 3100$

Math

Solve the addition problem below using the number line strategy.

1. $750 - 241 = 509$

2. $1000 - 215 = 785$

3. $777 - 259 = 518$

4. $654 - 120 = 534$

5. $894 - 284 = 610$

Check

1. $509 + 241 = 750$

2. $785 + 215 = 1000$

3. $518 + 259 = 777$

4. $534 + 120 = 654$

5. $610 + 284 = 894$

Math

1. $952 - 324 = 628$

2. $35 - 105 = -70$

3. $947 - 842 = 105$

4. $582 - 2117 = -1535$

5. $7000 - 1425 = 5575$

Check

1. $628 + 324 = 952$

2. $-70 + 105 = 35$

3. $105 + 842 = 947$

4. $-1535 + 2117 = 582$

5. $5575 + 1425 = 7000$

Math

1. $783 - 321 = 462$

2. $310 - 210 = 100$

3. $400 - 300 = 100$

4. $790 - 400 = 390$

5. $400 - 300 = 100$

6. $790 - 400 = 390$

7. $400 - 300 = 100$

8. $790 - 400 = 390$

9. $400 - 300 = 100$

10. $790 - 400 = 390$

11. $400 - 300 = 100$

12. $790 - 400 = 390$

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14. $790 - 400 = 390$

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19. $400 - 300 = 100$

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Math

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Math

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14. $790 - 400 = 390$

15. $400 - 300 = 100$

16. $790 - 400 = 390$

17. $400 - 300 = 100$

18. $790 - 400 = 390$

19. $400 - 300 = 100$

20. $790 - 400 = 390$

Math

1. $4500 - 2410 = 2090$

2. $1000 - 800 = 200$

3. $1000 - 800 = 200$

4. $1000 - 800 = 200$

5. $1000 - 800 = 200$

6. $1000 - 800 = 200$

7. $1000 - 800 = 200$

8. $1000 - 800 = 200$

9. $1000 - 800 = 200$

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18. $1000 - 800 = 200$

19. $1000 - 800 = 200$

20. $1000 - 800 = 200$

Math

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2. $1000 - 800 = 200$

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Math

1. $4500 - 2410 = 2090$

2. $1000 - 800 = 200$

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14. $1000 - 800 = 200$

15. $1000 - 800 = 200$

16. $1000 - 800 = 200$

17. $1000 - 800 = 200$

18. $1000 - 800 = 200$

19. $1000 - 800 = 200$

20. $1000 - 800 = 200$

1. Find mean, range, median and mode for 1.1. Write down the values.

2. John's family is moving to buy a new TV. The TV costs £200. John's family have saved £100. How much more money do they need to buy the TV?

$5500 + 210 = 5710$

3. Mr. Matthews' 1964 Ford Mustang is for sale for £9000. Mr. Matthews has £1000 saved. How much more money will he need to buy the car?

$9000 - 1000 = 8000$

4. Mr. Matthews's wife makes bread. One day he needs 2.8 kg of yeast to make bread. How much yeast does he need to buy?

$2.8 - 0.3 = 2.5$

5. The library has sold 1,416 books, but 625 books are out on loan. How many books are there in the library right now?

$137 = 625 - 488$
 $240 = 625 - 385$

100

Multiple Choice

11. When part-rented to the OPA, I found an apartment to rent for \$346 LE per month. Electricity and gas will cost me \$52.11 per month. How much money will I owe him each month to live?

$346.2 + 52.1 = 398.3$

12. If Omar had \$500 LE to spend on a ranch, how much money does he have left after he pays for rent, electric, and gas?

$500 - 436 = 64$

13. Three boxes of food and books were just delivered to the library. If each box is filled with 216 books, how many books has the library received?

$216 \times 319 = 68,904$

14. A kitchen has 5 T-cupboards, 7 Marshalls, 8 Tans, and 4 Cans. What number is it?

3704

15. A kitchen has 12 Marshalls, 15 Tans, and 8 cans. What number is it?

$12 \times 15 \times 8 = 1440$

Chapter 10: Numbers

1) Twenty five thousands are hundred and eleven = 25 511
(Read and write)

2) 700 @ 10 (Word form) : Seven hundred Thousand
= 7 hundred and fifty = 750

3) 700 000 + 70 000 + 6 000 + 100 + 20 + 5 = 775 825

4) 800 thousands + 600 tens + 5 tens + 7 hundreds = 86 570

5) 70 + 0 + 0 + 0 = 70

6) 900 = 700 + 200 + 50 + 5

7) 502 100 = 500 + 200 + 100 + 20 + 10 + 2000 = 5 hundred

8) The number that comes right after 25 200 is 25 201

9) The number 700 250 comes a 100 after 700 150

10) 700 000 + 500 000 + 200 000 + 100 000 = 1 400 000

11) The number that comes right before 2 500 is 2 499

12) The number 1 500 comes right before 1 501

13) The number 10 000 comes right before 10 001

14) The place value of the digit 6 in the number 250 600
is Hundreds

15) The place value of the digit 7 in the number 700 000
is Hundred thousands

16) The value of the digit 7 in the number 70 000
is 70 000

17) The value of the digit 2 in the number 6 200 is 200

18) The largest 3-digit number is 999

19) The smallest 5-digit number is 10 000

20) The largest and the smallest two digit numbers are
digits (1, 2, 3, 4, 5 and 9) and 99
and 20 000

110

1. Choose the correct answer.

- 1) Square the number and multiply it by 10000.
 - a) $10000x^2$ or 10^4x^2 or 10^4000x^2
 - b) $x^2 + 10 + 4000$ or $4000x^2$ (C) $10000x^2$ or 10^4x^2 or 10^4000x^2
 - d) 10^41000 square right side
- 2) Write a right factor of 2500.
 - a) 10000 or $2500x^2$ or 1000
 - b) 10000 or 10^4 or 10^4000
 - c) 10000 or 10^4 or 10^4000
 - d) 10000 or 10^4 or 10^4000
- 3) The largest 4-digit number is
 - a) 10000 or 10^4 or 10^4000
 - b) 10000 or 10^4 or 10^4000
 - c) 10000 or 10^4 or 10^4000
 - d) 10000 or 10^4 or 10^4000
- 4) The largest 4-digit number is
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 - a) 10000 or 10^4 or 10^4000
 - b) 10000 or 10^4 or 10^4000
 - c) 10000 or 10^4 or 10^4000
 - d) 10000 or 10^4 or 10^4000
- 21) The largest 4-digit number is
 - a) 10000 or 10^4 or 10^4000
 - b) 10000 or 10^4 or 10^4000
 - c) 10000 or 10^4 or 10^4000
 - d) 10000 or 10^4 or 10^4000
- 22) The

Paper

⑥ Use the following digits to find: { 3, 4, 0, 4, 7 }

The largest number **7540**

The smallest number **3547**

⑦ Use the following digits to find: { 8, 5, 4 }

The largest 6-digit number **D18 854**

The smallest 6-digit number **444 588**

⑧ Complete using <, = or >.

255 438 < 887 107 45 000 + 15 < 45 450

195 250 < 155 328 20 hundreds = 2 000

80 502 > 84 204 2 + 870 + 2000 = 3 870

45 thousands + 5 hundreds + 31 tens = 45 810

The smallest 6-d figure-eight digit number < 12 348

⑨ Match.

99 Thousands zero = 24 hundreds	9 240
3 000 + 200 + 40	3 024
30 000 + 24	32 000
Three thousand and twenty four	320 040
320 thousands, 40	30 024

115

[illegible]

The Array

1. Rows: 5 x 3 = 15
This is 5 x 3 array

2. Rows: 3 x 4 = 12
This is 3 x 4 array

3. Rows: 4 x 3 = 12
This is 4 x 3 array

4. Rows: 3 x 4 = 12
This is 3 x 4 array

5. Rows: 4 x 3 = 12
This is 4 x 3 array

6. Rows: 3 x 4 = 12
This is 3 x 4 array

7. Rows: 4 x 3 = 12
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This is 4 x 3 array

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This is 3 x 4 array

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This is 4 x 3 array

22. Rows: 3 x 4 = 12
This is 3 x 4 array

23. Rows: 4 x 3 = 12
This is 4 x 3 array

24. Rows: 3 x 4 = 12
This is 3 x 4 array

25. Rows: 4 x 3 = 12
This is 4 x 3 array

26. Rows: 3 x 4 = 12
This is 3 x 4 array

27. Rows: 4 x 3 = 12
This is 4 x 3 array

28. Rows: 3 x 4 = 12
This is 3 x 4 array

29. Rows: 4 x 3 = 12
This is 4 x 3 array

30. Rows: 3 x 4 = 12
This is 3 x 4 array

31. Rows: 4 x 3 = 12
This is 4 x 3 array

32. Rows: 3 x 4 = 12
This is 3 x 4 array

33. Rows: 4 x 3 = 12
This is 4 x 3 array

34. Rows: 3 x 4 = 12
This is 3 x 4 array

35. Rows: 4 x 3 = 12
This is 4 x 3 array

36. Rows: 3 x 4 = 12
This is 3 x 4 array

37. Rows: 4 x 3 = 12
This is 4 x 3 array

38. Rows: 3 x 4 = 12
This is 3 x 4 array

39. Rows: 4 x 3 = 12
This is 4 x 3 array

40. Rows: 3 x 4 = 12
This is 3 x 4 array

41. Rows: 4 x 3 = 12
This is 4 x 3 array

42. Rows: 3 x 4 = 12
This is 3 x 4 array

43. Rows: 4 x 3 = 12
This is 4 x 3 array

44. Rows: 3 x 4 = 12
This is 3 x 4 array

45. Rows: 4 x 3 = 12
This is 4 x 3 array</

[illegible]

Math

FOCUS: 100

1. Complete the following arrays

1

T Tens: 0 + 0 = 10
 This is 0 X 0 array

U Ones: 3 + 0 = 3
 This is 3 X 1 array

U Ones: 4 + 0 = 4
 This is 4 X 1 array

U Ones: 5 + 0 = 5
 This is 5 X 1 array

U Ones: 6 + 0 = 6
 This is 6 X 1 array

U Ones: 7 + 0 = 7
 This is 7 X 1 array

U Ones: 8 + 0 = 8
 This is 8 X 1 array

U Ones: 9 + 0 = 9
 This is 9 X 1 array

U Ones: 10 + 0 = 10
 This is 10 X 1 array

U Ones: 11 + 0 = 11
 This is 11 X 1 array

U Ones: 12 + 0 = 12
 This is 12 X 1 array

U Ones: 13 + 0 = 13
 This is 13 X 1 array

U Ones: 14 + 0 = 14
 This is 14 X 1 array

U Ones: 15 + 0 = 15
 This is 15 X 1 array

U Ones: 16 + 0 = 16
 This is 16 X 1 array

U Ones: 17 + 0 = 17
 This is 17 X 1 array

U Ones: 18 + 0 = 18
 This is 18 X 1 array

U Ones: 19 + 0 = 19
 This is 19 X 1 array

U Ones: 20 + 0 = 20
 This is 20 X 1 array

U Ones: 21 + 0 = 21
 This is 21 X 1 array

U Ones: 22 + 0 = 22
 This is 22 X 1 array

U Ones: 23 + 0 = 23
 This is 23 X 1 array

U Ones: 24 + 0 = 24
 This is 24 X 1 array

U Ones: 25 + 0 = 25
 This is 25 X 1 array

U Ones: 26 + 0 = 26
 This is 26 X 1 array

U Ones: 27 + 0 = 27
 This is 27 X 1 array

U Ones: 28 + 0 = 28
 This is 28 X 1 array

U Ones: 29 + 0 = 29
 This is 29 X 1 array

U Ones: 30 + 0 = 30
 This is 30 X 1 array

U Ones: 31 + 0 = 31
 This is 31 X 1 array

U Ones: 32 + 0 = 32
 This is 32 X 1 array

U Ones: 33 + 0 = 33
 This is 33 X 1 array

U Ones: 34 + 0 = 34
 This is 34 X 1 array

U Ones: 35 + 0 = 35
 This is 35 X 1 array

U Ones: 36 + 0 = 36
 This is 36 X 1 array

U Ones: 37 + 0 = 37
 This is 37 X 1 array

U Ones: 38 + 0 = 38
 This is 38 X 1 array

U Ones: 39 + 0 = 39
 This is 39 X 1 array

U Ones: 40 + 0 = 40
 This is 40 X 1 array

U Ones: 41 + 0 = 41
 This is 41 X 1 array

U Ones: 42 + 0 = 42
 This is 42 X 1 array

U Ones: 43 + 0 = 43
 This is 43 X 1 array

U Ones: 44 + 0 = 44
 This is 44 X 1 array

U Ones: 45 + 0 = 45
 This is 45 X 1 array

U Ones: 46 + 0 = 46
 This is 46 X 1 array

U Ones: 47 + 0 = 47
 This is 47 X 1 array

U Ones: 48 + 0 = 48
 This is 48 X 1 array

U Ones: 49 + 0 = 49
 This is 49 X 1 array

U Ones: 50 + 0 = 50
 This is 50 X 1 array

U Ones: 51 + 0 = 51
 This is 51 X 1 array

U Ones: 52 + 0 = 52
 This is 52 X 1 array

U Ones: 53 + 0 = 53
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U Ones: 56 + 0 = 56
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U Ones: 57 + 0 = 57
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U Ones: 58 + 0 = 58
 This is 58 X 1 array

U Ones: 59 + 0 = 59
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U Ones: 60 + 0 = 60
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U Ones: 61 + 0 = 61
 This is 61 X 1 array

U Ones: 62 + 0 = 62
 This is 62 X 1 array

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 This is 64 X 1 array

U Ones: 65 + 0 = 65
 This is 65 X 1 array

U Ones: 66 + 0 = 66
 This is 66 X 1 array

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 This is 67 X 1 array

U Ones: 68 + 0 = 68
 This is 68 X 1 array

U Ones: 69 + 0 = 69
 This is 69 X 1 array

U Ones: 70 + 0 = 70
 This is 70 X 1 array

U Ones: 71 + 0 = 71
 This is 71 X 1 array

U Ones: 72 + 0 = 72
 This is 72 X 1 array

U Ones: 73 + 0 = 73
 This is 73 X 1 array

U Ones: 74 + 0 = 74
 This is 74 X 1 array

U Ones: 75 + 0 = 75
 This is 75 X 1 array

U Ones: 76 + 0 = 76
 This is 76 X 1 array

U Ones: 77 + 0 = 77
 This is 77 X 1 array

U Ones: 78 + 0 = 78
 This is 78 X 1 array

U Ones: 79 + 0 = 79
 This is 79 X 1 array

U Ones: 80 + 0 = 80
 This is 80 X 1 array

U Ones: 81 + 0 = 81
 This is 81 X 1 array

U Ones: 82 + 0 = 82
 This is 82 X 1 array

U Ones: 83 + 0 = 83
 This is 83 X 1 array

U Ones: 84 + 0 = 84
 This is 84 X 1 array

U Ones: 85 + 0 = 85
 This is 85 X 1 array

U Ones: 86 + 0 = 86
 This is 86 X 1 array

U Ones: 87 + 0 = 87
 This is 87 X 1 array

U Ones: 88 + 0 = 88
 This is 88 X 1 array

U Ones: 89 + 0 = 89
 This is 89 X 1 array

U Ones: 90 + 0 = 90
 This is 90 X 1 array

U Ones: 91 + 0 = 91
 This is 91 X 1 array

U Ones: 92 + 0 = 92
 This is 92 X 1 array

U Ones: 93 + 0 = 93
 This is 93 X 1 array

U Ones: 94 + 0 = 94
 This is 94 X 1 array

U Ones: 95 + 0 = 95
 This is 95 X 1 array

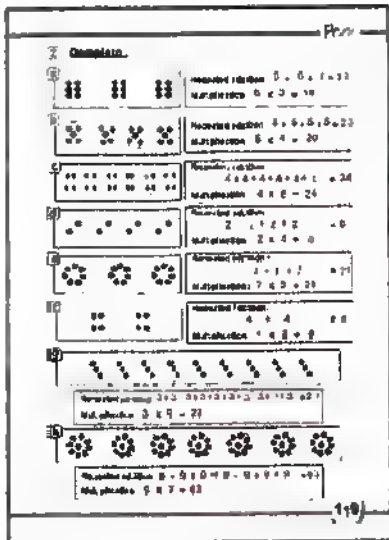
U Ones: 96 + 0 = 96
 This is 96 X 1 array

U Ones: 97 + 0 = 97
 This is 97 X 1 array

U Ones: 98 + 0 = 98
 This is 98 X 1 array

U Ones: 99 + 0 = 99
 This is 99 X 1 array

U Ones: 100 + 0 = 100
 This is 100 X 1 array



Lesson 3 (Pages 128 -134)

- (1)(a) 4,8,12,16,20,24,28,32,36,40
 (b) 5,10,15,20,25,30,35,40,45,50
 (c) 20 , 40

(2) , (3) Answer yourself

- (4) (a) 8 (b) 10 (c) 4 (d) 4
 (e) 5 (f) 4 (g) $5 \times 2 = 10$
 (h) $4 \times 3 = 12$ (i) $1 \times 4 = 4$
 (j) 6 , 24 (k) $10 + 10 + 10$, 6
 (l) $7 + 7 + 7 + 7 = 7 \times 4$

HOMEWORK

(1) , (2) , (3) , (4) Answer yourself

- (5) (a) $4 \times 5 = 20$ (b) $5 \times 8 = 40$
 (c) $10 + 10 + 10 = 30$ (d) $6 + 6 = 12$
 (e) 10 , 40 (f) 8 , 16
 (g) 10 , 20 (h) 8 , 24
 (6) (a) 4,8,12,16,20,24,28,32,36,40
 44,48,52,56,60,64,68,72,76,80
 (b) 5,10,15,20,25,30,35,40,45,50
 55,60,65,70,75,80,85,90,95,100
 (c) 20 , 40 (d) 12,24,36
 (7) (a) 5×4 (b) 8×3 (c) 6×4 (d) $8 + 8$
 (e) 9×2 (f) 6×2 (g) 8×2 (h) $>$
 (i) $<$ (j) $=$ (k) $>$ (l) 10
 (m) 10 (n) 8

SHEET (3)

First : (a) 22 225 (b) 4×10 (c) 9×2
 (d) 49 100 (e) $6 + 6 + 6 + 6$

Second : (a) 57 200 (b) Hundreds
 (c) 3 (d) $10 + 10 + 10 + 10$
 (e) 205 020

Third : (a) (1) 8 675 (2) 8 405

(b) 4 , 6 , $4 \times 6 = 24$

(c) $275 - 149 = 126$

Lesson 4 (Pages : 135 - 43)

- (1) (a) 6,12,18,24,30,36,42,48,54,
 (b) 7,14,21,28,35,42,49,56,63, 0
 (c) 12 , 24 , 36 , 48 , 60

(2) Answer yourself

(3) Answer yourself

- (4) (a) 10,12,14,16,18,20
 (b) 20,24,28,32,36,42
 (c) 30,36,42,48,54,60
 (d) 35,42,49,56,63,70

- (5) (a) $7 \times 4 = 28$ (b) $8 \times 6 = 48$
 (c) 8,56 (d) 6 , 36 (e) 5 , 40
 (6) $4 \times 8 = 32$ (7) $5 \times 6 = 30$

HOMEWORK

(1) , (2) , (3) , (4) Answer yourself

- (5) (a) $4 \times 8 = 32$ (b) $5 \times 7 = 35$
 (c) $8 + 8 + 8 + 8 + 8 = 40$ (d) $8 + 8 = 16$
 (e) 7 , 35 (f) 7 , 35 (g) 8 , 16
 (g) 10 , 40 (h) 9 , 36
 (6) (a) 6,12,18,24,30,36,42,48,54,60
 ,66,72,78,84,90,96,102,108
 ,114,120
 (b) 7,14,21,28,35,42,49,56,63,70
 ,77,84,91,98,105,112,119,126
 ,133,140
 (c) 30 (d) 12,24,36,48,60

- (7) (a) 5×6 (b) 4×4 (c) 3×8
 (d) $8 + 8$ (e) 6×9 (f) 9×2
 (g) 8×2 (h) $>$ (i) $<$
 (j) $<$ (k) $=$ (l) 10
 (m) 6 (n) 9

(8) Answer yourself

- (9) (a) $6 \times 4 = 24$ (b) $3 \times 6 = 18$
 (c) $3 \times 7 = 21$ (d) $4 \times 8 = 32$

SHEET (4)

First : (a) 561 035 (b) 4X6 (c) 8
(d) 450 000 (e) 8 000

Second : (a) 9X4 (b) 9 999
(c) 500 099 (d) 9+9 (e)

Third: (a) (1) 7 704 (2) 6 850
(b) 153 000 , 150 003
15 300 , 15030 , 15 003
(c) $7 \times 4 = 28$ (d) $3 \times 8 = 24$

Lesson : 5 (Pages 144 - 152)

(1) (a) 8,16,24,32,40,48,56,64,72,80
(b) 9,18,27,36,45,54,63,72,81,90
(c) 18,36,54,72,90

(2),(3), (4) , (5) Answer yourself

HOMEWORK

(1),(2),(3),(4) Answer yourself

(5) (a) 6,12,18,24,30

(b) 20 , 40

(c) 12,24,36,48,60

(d) 18 , 36 , 54 (e) 24 , 48 , 72

(6) Answer yourself

(7) (a) $9 \times 6 = 54$ (b) $2 \times 5 = 10$

(c) $9 \times 9 = 81$ (d) $5 \times 7 = 35$

(e) $6 \times 8 = 48$ (f) $7 \times 7 = 49$

(g) $8 \times 8 = 64$ (h) $6 \times 5 = 30$

SHEET (5)

First : (a) 7X8 (b) = (c) 10 000
(d) 66 000 (e) 62 999

Second : (a) 6 (b) 370 000
(c) hundreds (d) 75 512
(e) 30,24,18,12

Third: (a) 1) 1 000 2) 2500
(b) 45 045 , 45 054 , 45 405
, 45 450 , 45 504
(c) $4 \times 7 = 28$ (d) $6 \times 9 = 54$

Lesson :6 (Pages 153 - 161)

(1) 45 , 72 , 18

(2) (a) $50 - 5 = 45$

(b) $(10 \times 5) - 5 = 50 - 5 = 45$

(c) $(10 \times 8) - 8 = 80 - 8 = 72$

(d) $(10 \times 3) - 3 = 30 - 3 = 27$

HOMEWORK

(1) , (2) , (3) Answer yourself

(4) (a) $(10 \times 2) - 2 = 20 - 2 = 18$

(b) $(10 \times 4) - 4 = 40 - 4 = 36$

(c) $(10 \times 6) - 6 = 60 - 6 = 54$

(d) $(10 \times 8) - 8 = 80 - 8 = 72$

(e) $(10 \times 1) - 1 = 10 - 1 = 9$

(f) $(10 \times 3) - 3 = 30 - 3 = 27$

(g) $(10 \times 5) - 5 = 50 - 5 = 45$

(h) $(10 \times 7) - 7 = 70 - 7 = 63$

(i) $(10 \times 9) - 9 = 90 - 9 = 81$

(5) (a) 3×10 (b) 6×4 (c) 6×6

(d) 6×6 (e) 6×4 (f) 7

(g) $9 + 9$ (h) 8×2

(6) (a) $8 + 8 + 8 = 24$

(b) $6 + 6 + 6 + 6 + 6 + 6 = 36$

(c) $10 + 10 = 20$

(d) 9 , 18 (e) 6 , 12 (f) 8 , 16

(g) 6 , 24 (h) 8 , 32 (i) 6 , 30

(j) 8 , 72 (k) $(10 \times 6) , 54$

SHEET (6)

First: (a) 7 (b) 4×10 (c) 495
(d) 765 040 (e) 20 000

Second : (a) 19 999 (b) 0 (c) 9
(d) 8×6 (e) 900 009

Third : (a) 1) 4 700 2) 71 3) 630
(b) 1) < 2) =
3) > 4) =
(c) $6 \times 8 = 48$

Lesson : 7 (Pages 162 - 167)

- (1) (a) 5 (b) 7 (c) 7 (d) 4
 (e) 9 (f) 8, 3 (g) $15 \times 35 = 50$
 (h) $32 \times 16 = 48$ (i) $12 \times 6 = 18$
 (j) 8, 8, 56 (k) 4, 7, 63 (l) 5×4
- (2) (a) $7 \times (10 + 3) = 7 \times 10 + 7 \times 3 = 91$
 (b) $8 \times (10 + 5) = 8 \times 10 + 8 \times 5 = 120$
 (c) $9 \times (10 + 3) = 9 \times 10 + 9 \times 3 = 117$
 (d) $7 \times (10 + 2) = 7 \times 10 + 7 \times 2 = 84$

HOMEWORK

- (1) (a) 7 (b) 8 (c) 7 (d) 4
 (e) 9 (f) 8, 7 (g) $8 \times 6 = 48$
 (h) $7 \times 9 = 63$ (i) $9 \times 6 = 54$ (j) 8, 8, 54
 (k) 4, 3, 27 (l) 2×5
- (2) (a) $7 \times (10 + 3) = 7 \times 10 + 7 \times 3 = 91$
 (b) $4 \times (10 + 2) = 4 \times 10 + 4 \times 2 = 48$
 (c) $9 \times (10 + 3) = 9 \times 10 + 9 \times 3 = 108$
 (d) $8 \times (10 + 5) = 8 \times 10 + 8 \times 5 = 120$
- (3) (a) 2 (b) 5 (c) $5 \times 2 = 10$ (d) 5
 (e) 2 (f) $2 \times 5 = 10$ (g) $2 \times 5 = 5 \times 2$
- (4) (a) 6 (b) 3 (c) $3 \times 6 = 18$ (d) 3
 (e) 6 (f) $6 \times 3 = 18$ (g) $3 \times 6 = 6 \times 3$
- (5) (a) 9 (b) 4 (c) $4 \times 9 = 36$ (d) 4
 (e) 9 (f) $9 \times 4 = 36$ (g) $4 \times 6 = 9 \times 4$
- (6) (a) $4 \times 10 = (4 \times 8) + (4 \times 2) = 40$
 (b) $3 \times 9 = (3 \times 5) + (3 \times 4) = 27$

SHEET 7

- First: (a) 19 909 (b) 505 (c) 7×5
 (d) $4 + 4 + 4 + 4$ (e) 8 000
- Second : (a) $\square \triangle, \square \triangle$ (b) 6, 6, 4 (c) 6
 (d) 66 000 (e) 701 280
- Third: (a) 75 005, 75 050, 75 055
 , 75 500, 75 505
 (b) 6, 3, $6 \times 3 = 18$
 (c) 3, 6, $3 \times 6 = 18$

Lesson : 8 (pages 168 - 173)

- (1) (a) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120.
 (b) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120.
 (c) 20, 40, 60, 80, 100, 120
- (2) (a) 70 (b) 90 (c) 120 (d) 520
 (e) 10 (f) 10 (g) 10 (h) 10
 (i) $5 \times 6 \times 10 = 30 \times 10 = 300$
 (j) $4 \times 8 \times 10 = 32 \times 10 = 320$
 (k) $5 \times 80, 40 \times 10 = 400$
 (l) $9 \times 30, 27 \times 10 = 270$
 (m) $7 \times 50 = 7 \times 5 \times 10 = 35 \times 10 = 350$
 (n) $4 \times 90 = 4 \times 9 \times 10 = 36 \times 10 = 360$

HOMEWORK

- (1) Answer yourself
- (2) (a) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120
 (b) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120
 (c) 30, 60, 90
 (d) 20, 40, 60, 80, 100
 (e) 30, 60, 90
- (3) (a) 60 (b) 80 (c) 520 (d) 220
 (e) 160 (f) 820 (g) 10 (h) 10
 (i) 10 (j) 10 (k) 10 (l) 10
 (m) 10 (n) 10
- (4) (a) $8 \times 5 \times 10 = 40 \times 10 = 400$
 (b) $5 \times 4 \times 10 = 20 \times 10 = 200$
 (c) $9 \times 8 \times 10 = 72 \times 10 = 720$
 (d) $5 \times 90, 45 \times 10 = 450$
 (e) $8 \times 80, 64 \times 10 = 640$
 (f) $6 \times 30, 18 \times 10 = 180$
 (g) $5 \times 70, 7, 10, 350$
 (h) $6 \times 90, 9, 10, 540$
 (i) $7 \times 70, 7, 10, 490$

- (5) (a) 30 (b) 28
(c) 4 (d) 7
(e) 7 (f) 6
(g) 8 (h) 6
(i) 8 (j) 10
(k) 9×2
(l) 3×10

(6) Answer Yourself

SHEET 8

First : (a) 9000
(b) 25 000

- (c) 8×2 (d) 9×4
(e) 20 567

Second: (a) 760 000

- (b) 10, 4, 98
(c) $6 \times 7 \times 10 = 420$
(d) 20 020
(e) 48, 40, 32

Third : (a) 1) 8 008 2) 7 555

- (b) 15 000, 10 005, 1500
, 1 050, 1 005
(c) $6 \times 6 = 36$

Division

Example

There are 12 apples. How many can be shared equally between 3 children?

Draw a part-whole model to show your answer.

$12 \div 3 = 4$

There are 18 fish in 4 bowls. How many fish should be put into each bowl?

Draw a part-whole model to show your answer.

$18 \div 4 = 4$

The teacher has 36 crayons to share equally between 6 children. What is the share of each?

Draw a part-whole model to show your answer.

$36 \div 6 = 6$

Port

1. There are 12 fish in 4 bowls. How many fish can be put into each bowl?

Draw a part-whole model to show your answer.

$12 \div 4 = 3$

Not Given & Over or Just Under

$3 \times 6 = 18$
 $6 \times 3 = 18$
 $18 \div 3 = 6$
 $18 \div 6 = 3$

4. Find the missing factor in the following. Write the four equations to complete the fact family.

$7 \times 6 = 42$
 $6 \times 7 = 42$
 $42 \div 7 = 6$
 $42 \div 6 = 7$

Maths

$14 \div 2 = 7$
 $2 \overline{) 14}$
 $14 \div 2 = 7$

2. Complete the following.

$18 \div 4 = 4$ $5 \overline{) 18}$ $14 \div 2 = 7$
 $18 \div 3 = 6$ $7 \overline{) 21}$ $18 \div 6 = 3$
 $12 \div 3 = 4$ $6 \overline{) 12}$ $18 \div 9 = 2$
 $24 \div 4 = 6$ $8 \overline{) 24}$ $18 \div 3 = 6$
 $48 \div 6 = 8$ $2 \overline{) 48}$ $14 \div 7 = 2$
 $36 \div 6 = 6$ $6 \overline{) 36}$ $14 \div 2 = 7$
 $72 \div 8 = 9$ $8 \overline{) 72}$ $14 \div 7 = 2$

Port

Answer the following.

1. There are 18 fish in 4 bowls. How many fish should be put into each bowl?

Draw a part-whole model to show your answer.

$18 \div 4 = 4$

2. The teacher has 36 crayons to share equally between 6 children. What is the share of each?

Draw a part-whole model to show your answer.

$36 \div 6 = 6$

3. Split 36 crayons that need to be shared equally between 6 children.

Draw a part-whole model to show your answer.

$36 \div 6 = 6$

Port

1. There are 12 fish in 4 bowls. How many fish can be put into each bowl?

Draw a part-whole model to show your answer.

$12 \div 4 = 3$

2. There are 18 fish in 4 bowls. How many fish should be put into each bowl?

Draw a part-whole model to show your answer.

$18 \div 4 = 4$

3. There are 36 crayons to share equally between 6 children. What is the share of each?

Draw a part-whole model to show your answer.

$36 \div 6 = 6$

Port

1. There are 12 fish in 4 bowls. How many fish can be put into each bowl?

Draw a part-whole model to show your answer.

$12 \div 4 = 3$

2. There are 18 fish in 4 bowls. How many fish should be put into each bowl?

Draw a part-whole model to show your answer.

$18 \div 4 = 4$

3. There are 36 crayons to share equally between 6 children. What is the share of each?

Draw a part-whole model to show your answer.

$36 \div 6 = 6$

Port

1. There are 12 fish in 4 bowls. How many fish can be put into each bowl?

Draw a part-whole model to show your answer.

$12 \div 4 = 3$

2. There are 18 fish in 4 bowls. How many fish should be put into each bowl?

Draw a part-whole model to show your answer.

$18 \div 4 = 4$

3. There are 36 crayons to share equally between 6 children. What is the share of each?










Draw a part-whole model to show your answer.

$36 \div 6 = 6$

[illegible]

Draw the pictures below. Write their names in the appropriate words of English for measuring these things.

Write 1 under the pictures.

 _____ 1	 _____ 1	 _____ 1
 _____ 1	 _____ 1	 _____ 1
 _____ 1	 _____ 1	 _____ 1

Measure the red side length using the ruler

Example

6 cm

Example

7 cm

Example

6 cm

Example

4 cm

Example

















8 cm

Q12P19:

1. See the pictures below. Write in what is the sponsor and write all things for making those things.

in this picture, computer, car, or motor, etc.

Then write under the picture.

			
motor	computer	motor	motorcycle
			
computer	motor	motor	computer
			
motor	motor	motor	motorcycle
			
computer	motor	motor	motor

2. Çözünüz.

(1) 4 cm = 40 mm. (7) 6 m = 600 mm

(2) 5 dm = 50 mm. (8) 7 m = 700 mm

(3) 10 cm = 100 mm. (9) 12 km = 12000 mm

(4) 80 mm = 8 cm (11) 200 cm = 2 m

(5) 80 mm = 8 cm (12) 700 cm = 7 m

(6) 80 mm = 8 cm (13) 3000 cm = 30 m.

(7) 700 mm = 70 cm (14) 4000 mm = 40 m.

(15) 8 cm + 5 mm = 80 + 5 = 85 mm.

(16) 8 cm + 7 mm = 80 + 7 = 87 mm.

(17) 12 cm + 9 mm = 120 + 9 = 129 mm.

(18) 3 m + 40 cm = 300 + 40 = 340 cm.

(19) 2 m + 25 cm = 200 + 25 = 225 cm.

(20) 20 m + 12 cm = 2000 + 12 = 2012 cm.

(21) 87 mm = 8 cm + 7 mm.

(22) 88 mm = 8 cm + 8 mm.

(23) 182 mm = 18 cm + 2 mm.

(24) 225 cm = 2 m + 25 cm.

(25) 770 mm = 7 m + 70 cm.

(26) 1600 cm = 16 m + 0 cm.

207

3) Estimate the side lengths using the ruler :

The shapes and their labeled side lengths are:

- Rectangle 1: 1
- Rectangle 2: 5
- Hexagon 1: 6
- Parallelogram 1: 4
- Trapezoid 1: 3
- Triangle 1: 2
- Right Triangle 1: 3
- Quadrilateral 1: 4
- Pentagon 1: 5
- Rectangle 3: 4
- Triangle 2: 6
- Rectangle 4: 8

[illegible]

Activity

1. **Color only polygons.**

2. **Color the words. Label shapes (4 sides):**

3. **Draw a shape with 6 sides.**

4. **Draw a shape with 3 sides.**

5. **Describe!**

- The triangle has 3 sides, 3 angles and 3 vertices.
- The rectangle has 4 sides and 4 angles. It has 2 sides.
- The rectangle has 4 angles and the 4 sides are 1 side.
- The square is a polygon that has 4 sides.

211

April 2

EXERCISE


1 Color only polygons .

2 Color The nontrilateral shapes (3 sides)


3 Color the triangles (3 sides)

Prac


12 Color the polygons (6 sides)




13 Color the polygons (6 sides)




14 Draw a shape with 3 sides -




15 Draw a shape with 4 sides -



16 Draw a shape with 5 sides -



17 Draw a shape with 6 sides -









213

Exercise 10

1. Complete:

- The triangle has 3 sides, 3 angles and 3 vertices.
- The quadrilateral has 4 sides, 4 angles and 4 vertices.
- The pentagon has 5 sides, 5 angles and 5 vertices.
- The hexagon has 6 sides, 6 angles and 6 vertices.
- The heptagon has 7 sides and 7 angles. It has 7 vertices.
- The octagon has 8 angles and the octagon has 8 vertices.
- The decagon has 10 angles and the decagon has 10 vertices.

2. Write down the name of each polygon.

		
Triangle	Quadrilateral	Pentagon
		
Hexagon	Heptagon	Octagon

214

Unit 4

1. Choose the correct answer.

1. The dimensions of a rectangle are 1/2 inch by 1/4 inch.

(1) 1/8 in (2) 1/4 in (3) 1/2 in (4) 3/4 in

2. 6 - 8 = ?

(1) 2 (2) 14 (3) 13 (4) 1

3. The angle between the hands of a clock is 75°.

(1) 15 (2) 45 (3) 75 (4) 105

4. The perimeter of a rectangle is 100 cm. The length is 30 cm. What is the width?

(1) 10 cm (2) 20 cm (3) 30 cm (4) 40 cm

2. Complete the following.

1. The perimeter of a rectangle is 100 cm. The length is 30 cm. What is the width?

2. 150 minutes = 2 hours + 30 minutes

3. 20 is 25% of 80

4. The angle between the hands of a clock is 75°. The length of the minute hand is 10 cm. What is the length of the hour hand?

5. 100 is 20% of 500

6. 100 is 20% of 500

7. 100 is 20% of 500

8. 100 is 20% of 500

9. 100 is 20% of 500

10. 100 is 20% of 500

11. 100 is 20% of 500

12. 100 is 20% of 500

13. 100 is 20% of 500

14. 100 is 20% of 500

15. 100 is 20% of 500

16. 100 is 20% of 500

17. 100 is 20% of 500

18. 100 is 20% of 500

19. 100 is 20% of 500

20. 100 is 20% of 500

21. 100 is 20% of 500

22. 100 is 20% of 500

23. 100 is 20% of 500

24. 100 is 20% of 500

25. 100 is 20% of 500

26. 100 is 20% of 500

27. 100 is 20% of 500

28. 100 is 20% of 500

29. 100 is 20% of 500

30. 100 is 20% of 500

31. 100 is 20% of 500

32. 100 is 20% of 500

33. 100 is 20% of 500

34. 100 is 20% of 500

35. 100 is 20% of 500

36. 100 is 20% of 500

37. 100 is 20% of 500

38. 100 is 20% of 500

39. 100 is 20% of 500

40. 100 is 20% of 500

41. 100 is 20% of 500

42. 100 is 20% of 500

43. 100 is 20% of 500

44. 100 is 20% of 500

45. 100 is 20% of 500

46. 100 is 20% of 500

47. 100 is 20% of 500

48. 100 is 20% of 500

49. 100 is 20% of 500

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51. 100 is 20% of 500

52. 100 is 20% of 500

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61. 100 is 20% of 500

62. 100 is 20% of 500

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66. 100 is 20% of 500

67. 100 is 20% of 500

68. 100 is 20% of 500

69. 100 is 20% of 500

70. 100 is 20% of 500

71. 100 is 20% of 500

72. 100 is 20% of 500

73. 100 is 20% of 500

74. 100 is 20% of 500

75. 100 is 20% of 500

76. 100 is 20% of 500

77. 100 is 20% of 500

78. 100 is 20% of 500

79. 100 is 20% of 500

80. 100 is 20% of 500

81. 100 is 20% of 500

82. 100 is 20% of 500

83. 100 is 20% of 500

84. 100 is 20% of 500

85. 100 is 20% of 500

86. 100 is 20% of 500

87. 100 is 20% of 500

88. 100 is 20% of 500

89. 100 is 20% of 500

90. 100 is 20% of 500

91. 100 is 20% of 500

92. 100 is 20% of 500

93. 100 is 20% of 500

94. 100 is 20% of 500

95. 100 is 20% of 500

96. 100 is 20% of 500

97. 100 is 20% of 500

98. 100 is 20% of 500

99. 100 is 20% of 500

100. 100 is 20% of 500

215

Quadrilateral vertex diagram







Match each quadrilateral to its name

Kite	
Parallelogram	
Trapezoid	
Rectangle	
Rhombus	
Square	

[illegible]













Part 1

Write the name of each quadrilateral.

		
Parallelogram	Rectangle	Kite
		
Square	Trapezoid	Rhombus

Part 2

Match each quadrilateral to its name:

16-bit integer value has four 4-bit segments

Each 4-bit segment, taken as a number, is less than 16

Each 4-bit segment, taken as a number, is less than 16


Each 4-bit segment, taken as a number, is less than 16

Part 2

4. Complete:

(1) The quadrilateral is a polygon that has 4 sides.
(2) Each two opposite sides have equal and parallel sides.
(3) A square, a rectangle, rhombus, parallelogram.
(4) All sides are equal in a square and rhombus.
(5) All angles are equal in a square and rectangle.
(6) Only one pair of opposite sides are parallel in a trapezium.
(7) In the parallelogram each two opposite sides are equal.
(8) In the rectangle all angles are 90° or 180° .
(9) In the square all angles are equal and all angles are 90° or 180° .
(10) In the trapezium, only one pair of opposite sides are parallel.
(11) In the kite two sides of adjacent sides are equal.

5. Draw the parallelograms.



221

Unit 3

1. Choose the correct sentence

1. Each has responsibilities on parallel in

2. The word responsibilities

3. 9 + 9 = 18

4. 9 + 9 = 18

5. The value of 9 is 9 in the number 9123

6. 9123 = 9123

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210. 91

Lesson : 8 (pages 224 - 234)

- (1) (a) 10 (b) 10 (c) 18
(d) 35 , $7 \times 5 = 35$ (e) 12 , $2 \times 6 = 12$
(2) (a) $4 \times 5 = 20$ (b) $6 \times 3 = 18$ (c) $8 \times 4 = 32$
(3) $12 = 3 \times 4$ or 2×6
 $10 = 2 \times 5$ or 1×10
(4) (a) $18 = (3 \times 6)$ or (2×9)
(b) $24 = (3 \times 8)$, (4×6) or (2×12)

HOMEWORK

- (1) (a) 15 (b) 13 (c) 16
(d) 14 (e) 16 (f) 18
(g) 28 , $4 \times 7 = 28$ (h) 18 , $3 \times 6 = 18$
(i) 25 , $5 \times 5 = 25$ (j) 12 , $2 \times 6 = 12$
(k) 32 , $4 \times 8 = 32$ (l) 9 , $3 \times 3 = 9$
(m) 16 , $4 \times 4 = 16$
(2) (a) $3 \times 4 = 12$ (b) $6 \times 2 = 12$
(c) $4 \times 8 = 32$ (d) $5 \times 3 = 15$
(e) $5 \times 5 = 25$ (f) $8 \times 2 = 16$
(g) $10 \times 5 = 15$ (h) $7 \times 5 = 35$
(i) $8 \times 7 = 56$ (j) $5 \times 7 = 35$
(k) $9 \times 4 = 36$ (l) $9 \times 6 = 54$
(m) $9 \times 3 = 27$ (n) $2 \times 2 = 4$
(3) $15 = 3 \times 5$, $18 = 3 \times 6$ or $18 = 2 \times 9$
(4) $4 \times 6 = 24$ (5) $3 \times 7 = 21$
(6) $(3 \times 4) + (2 \times 6) + (3 \times 6) + (5 \times 7) + (5 \times 1)$
 $= 12 + 12 + 18 + 35 + 5 = 82$
(7) (a) $30 = 5 \times 6$ (b) $24 = 4 \times 6$ (c) $20 = 4 \times 5$
(d) $12 = 3 \times 4$ (e) $18 = 3 \times 6$

SHEET 6

First : (a) 9 090 (b) 4 (c) 90
(d) $10 + 10$ (e) 999 999

Second : (a) 45 550 (b) 5 (c) 20 , 7
(d) equal (e) 63 , 72 , 81

Third (a) (1) > (2) > (3) > (4) =
(b) 16 , 20 , 24

Lesson : 9 (pages 235 - 244)

- (1) (a) 18 , 20 (b) 28 , 30
(c) 15 , 18 (d) 11 , 24
(e) $4 \times 7 = 28$, $4 + 7 + 4 + 7 = 22$
(f) $5 \times 5 = 25$, $5 + 5 + 5 + 5 = 20$
(2) (a) $3 + 3 + 3 + 6 = 15$ (b) $6 + 3 + 6 + 3 = 18$
(3) (a) $3 \times 6 = 18$, $(6 + 3) \times 2 = 18$
(b) $4 \times 4 = 16$, $4 \times 4 = 16$

HOMEWORK

- (1) (a) 13, 18 (b) 17, 26 (c) 11, 16
(d) 11, 24 (e) 14 , 16 (f) 19 , 28
(g) 12, 22 (h) 14, 22
(i) $4 \times 6 = 24$, $6 + 4 + 6 + 4 = 20$
(j) $5 \times 5 = 25$, $5 + 5 + 5 + 5 = 20$
(k) $2 \times 7 = 14$, $2 + 7 + 2 + 7 = 28$
(l) $4 \times 4 = 16$, $4 + 4 + 4 + 4 = 16$
(m) $8 \times 5 = 40$, $8 + 5 + 8 + 5 = 26$
(n) $3 \times 8 = 24$, $3 + 8 + 3 + 8 = 22$
(2) (a) $6 + 3 + 6 + 3 = 18$ (b) $6 + 3 + 3 + 3 = 15$
(c) $4 + 4 + 4 + 4 = 16$ (d) $3 + 6 + 2 + 5 = 16$
(e) $5 + 3 + 5 + 3 = 16$ (f) $3 + 3 + 3 + 3 = 12$
(g) $6 + 2 + 6 + 2 = 16$ (h) $3 + 3 + 5 + 7 = 18$
(i) $5 + 5 + 3 + 3 = 16$ (j) $2 + 2 + 5 + 5 = 14$
(k) $5 + 5 + 5 + 5 = 20$ (l) $5 + 8 + 5 + 2 = 20$
(3) (a) $3 \times 6 = 18$, $(6 + 3) \times 2 = 18$
(b) $5 \times 2 = 10$, $(5 + 2) \times 2 = 14$
(c) $6 \times 2 = 30$, $(6 + 5) \times 2 = 22$
(d) $3 \times 3 = 9$, $3 \times 4 = 14$
(e) $4 \times 4 = 16$, $4 \times 4 = 16$
(4) (a) $7 \times 4 = 28$, $(7 + 4) \times 2 = 22$
(b) $7 \times 3 = 21$, $(7 + 3) \times 2 = 20$
(c) $7 \times 7 = 49$, $7 \times 4 = 28$
(d) $6 \times 5 = 30$, $(6 + 5) \times 2 = 22$
(e) $4 \times 4 = 16$, $4 \times 4 = 16$


[illegible]

Page _____

The Capacity


The size of things that the container can hold

Drinking Water




1L 5L 1L

Drinking Tea




250 ml 175 ml 200 ml




1 Liter = 1000 milliliters

Circle the larger capacity container


a)




b)



Circle the smaller capacity container





245

Unit 4

3 What is better for measuring the volume of liquid in **accuracy**? **Before** or **After**?

 Graduated cylinder measures Before After	 Measures in a Graduated cylinder measures Before After	 Capable of measuring measures Before After
 Measuring tool measures Before After	 Measures in a graduated cylinder measures Before After	 Capable of measuring measures Before After
 Measuring tool measures Before After	 Measures in a graduated cylinder measures Before After	 Capable of measuring measures Before After

4 Complete the following:

1 liter = 1000 mL
 2 liters = 2000 mL
 1 liter = 1000 mL
 7000 mL = 7 liters

To measure the capacity of the container use **graduated cylinder**

The tool is used to measure **capacity**

Pers.

7. Circle the larger capacity container.

8. Circle the smaller capacity container.

247

Match

What is better for measuring the volume of liquid? (capacity) (Weight or liter)

 Measure <input type="text"/>	 Ketchup is a bottle <input type="text"/>	 Glassful of orange juice <input type="text"/>
 Glass of water <input type="text"/>	 Oil is a bottle <input type="text"/>	 Shampoo is a bottle <input type="text"/>
 Tea is a cup <input type="text"/>	 Bathtub is a bathtub <input type="text"/>	 Pitcher is a pitcher <input type="text"/>
 Water is a glass <input type="text"/>	 Water is a bottle <input type="text"/>	 Coffee is a cup <input type="text"/>
 Oil is a bottle <input type="text"/>	 Water is a glass <input type="text"/>	 Glass is a glass <input type="text"/>

[illegible]

General Exercises

First Choose the correct answer

- | | | |
|-------------------|-------------------|-------------------|
| (1) '00 070 | (2) 7 425 | (3) 70 009 |
| (4) 1 999 | (5) 20 750 | (6) 6 000 |
| (7) 800 | (8) 3 000 | (9) 98 765 |
| (10) 10 2345 | (11) 99 999 | (12) 1 111 |
| (13) 3 000 | (14) 800 000 | (15) Thousands |
| (16) 10 | (17) 8×3 | (18) 6×4 |
| (19) $8 + 8$ | (20) 9×2 | (21) 6×2 |
| (22) 8×2 | (23) $>$ | (24) $<$ |
| (25) $=$ | (26) $<$ | (27) 10 |

- | | | |
|-------------|-------------|------------|
| (28) 10 | (29) 8 | (30) 30 |
| (31) 28 | (32) 4 | (33) 7 |
| (34) 7 | (35) 6 | (36) 8 |
| (37) 6 | (38) 8 | (39) 9 X 2 |
| (40) 3 X 10 | (41) 105 | (42) 1 500 |
| (43) 4 | (44) 505 | (45) 70 |
| (46) 90 | (47) Square | (48) 4 |
| (49) 200 ml | (50) litre | |

Second Complete the following

- (1) 205 6011 (2) Seven hundred thousand, six hundred and eight
(3) 775 853 (4) 998 756 (5) 7 4
(6) $70\,000 + 7\,000 + 800 + 50 + 6$

- (7) 5, 552, 9, 1 (8) 363000
 (9) 70 249 (10) 100 000
 (11) 699 999 (12) 31 561 (13) 105 199
 (14) T-thousands (15) H-thousands
 (16) 70 000 (17) 20 (18) 999 999
 (19) 100 000 (20) 99 999 (21) 10 000
 (22) 76 320, 20 367 (23) 88 854, 44 458
 (24) $4 \times 8 = 32$ (25) $5 \times 7 = 35$
 (26) $8+8+8+8+8+8 = 8 \times 6 = 48$ (27) $8+8 = 16$
 (28) 7.35 (29) 8.16 (30) 10.40
 (31) 9.36 (32) 520 (33) 160
 (34) 10 (35) 4 (36) 7
 (37) 10 (38) 10 (39) 10
 (40) 32 (41) 35
 (42) $8 \times 5 \times 10 = 40 \times 10 = 400$
 (43) $5 \times 90, 45 \times 10 = 450$
 (44) $5 \times 70 = 5 \times 7 \times 10 = 35 \times 10 = 350$
 (45) $7 \times 70 = 7 \times 7 \times 10 = 490$
 (46) $60 + 30 = 90$ (47) $60 + 25 = 85$
 (48) $120 + 55 = 175$ (49) 1, 35
 (50) 2, 10 (51) 50 (52) 100
 (53) 700 (54) 1200 (55) $120 + 8 = 128$
 (56) $2000 + 12 = 2012$ (57) 16, 2
 (58) 2.25 (59) 4 (60) length
 (61) square, rhombus (62) equal(right)
 (63) parallelogram, rhombus, square, rectangle
 (64) 5, 5, 5 (65) Pentagon, hexagon
 (66) Millilitre (67) Capacity (68) 2000
 (69) 7 (70) liter

Part 1

(a) The pentagon has 5 sides, 5 angles and 5 vertices.
 (b) The hexagon has 6 sides and 6 angles.
 (c) To make sure the capacity of the sea was correct.
 (d) The river is used to measure.
 (e) 5 litres = 5000 ml
 (f) 1000 ml = 1 litre
 (g) The volume of 1000 ml is 1 litre and 1000 ml is 1 litre.

Part 2

Answer the following questions.

(1) Complete the pattern:

(a) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
 (b) 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000
 (c) 1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000, 9000, 10000
 (d) 10000, 20000, 30000, 40000, 50000, 60000, 70000, 80000, 90000, 100000

Part 3

(1) Arrange each group of the following numbers in ascending order and in descending order.

(a) 32 023, 20 023, 75 023, 24 907, 30 568
 The ascending order: 20 023, 24 907, 30 568, 75 023
 The descending order: 75 023, 30 568, 24 907, 20 023

(b) 500 345, 500 638, 500 023, 500 306, 500 683
 The ascending order: 500 023, 500 306, 500 345, 500 638, 500 683
 The descending order: 500 683, 500 638, 500 345, 500 306, 500 023

(c) 8 000, 1 000, 10 000, 1 006, 10 009
 The ascending order: 1 000, 1 006, 8 000, 10 000, 10 009
 The descending order: 10 009, 10 000, 8 000, 1 006, 1 000

(d) Use the 1000s chart, to find:
 (i) List the common multiples of 2 and 3 up to 30:
 6, 12, 18, 24, 30
 (ii) List the common multiples of 3 and 4 up to 40:
 12, 24, 36
 (iii) List the common multiples of 3 and 5 up to 60:
 15, 30, 45

Part 1

(a) 30, 37, 34, 31, 10, 38, 32, 35, 36, 33, 39
 (b) 0.1, 0.12, 0.45, 28, 34, 0.08, 32, 30, 45

Part 2

Complete the following table.

The Number	The value of the underlined digit	The place value of the underlined digit
456 340	400 000	1-lakhs
406 2512	60 000	10-thousands
206 258	0	Thousands
995 208	70	7-tens
51 780	0	ones

Part 3

(a) Complete using <, = or >:
 (i) 345 678 < 100 305
 (ii) 180 280 < 708 630
 (iii) 441 028 < 441 070
 (iv) 500 000 < 10 000 + 500 + 5 = 500 505
 (v) 3000 + 30 = 3030

(b) A box of 7 thousands + 4 hundreds = 7400
 Twenty thousand and twenty = 20 020

(c) 500 000 + 10 000 + 500 + 5 = 500 505
 3000 + 30 = 3030

Part 1

(a) An hour and a quarter = 90 minutes
 (b) 2 hours and 25 minutes = 140 minutes
 (c) 6 km + 7 cm = 67 km
 (d) 20 m + 12 cm = 212 cm
 (e) 7 km = 7000 m

Part 2

(a) The following data shows the weights of 20 children. (in kilograms). Read a line plot using these data.

Weight (kg)	Number of children
35	1
36	2
37	3
38	4
39	5
40	6
41	7
42	8
43	9
44	10
45	11
46	12
47	13
48	14
49	15
50	16
51	17
52	18
53	19
54	20

(b) The lowest value: 35 The highest value: 54
 (c) They number of them each number is repeated:
 35: 1, 36: 2, 37: 3, 38: 4, 39: 5, 40: 6, 41: 7, 42: 8, 43: 9, 44: 10, 45: 11, 46: 12, 47: 13, 48: 14, 49: 15, 50: 16, 51: 17, 52: 18, 53: 19, 54: 20

(d) The line plot:
 The weight
 n = 1 child

Part 1

(a) Arrange each group of the following numbers in ascending order and in descending order.

(i) 32 023, 20 023, 75 023, 24 907, 30 568
 The ascending order: 20 023, 24 907, 30 568, 75 023
 The descending order: 75 023, 30 568, 24 907, 20 023

(ii) 500 345, 500 638, 500 023, 500 306, 500 683
 The ascending order: 500 023, 500 306, 500 345, 500 638, 500 683
 The descending order: 500 683, 500 638, 500 345, 500 306, 500 023

(iii) 8 000, 1 000, 10 000, 1 006, 10 009
 The ascending order: 1 000, 1 006, 8 000, 10 000, 10 009
 The descending order: 10 009, 10 000, 8 000, 1 006, 1 000

(d) Use the 1000s chart, to find:
 (i) List the common multiples of 2 and 3 up to 30:
 6, 12, 18, 24, 30
 (ii) List the common multiples of 3 and 4 up to 40:
 12, 24, 36
 (iii) List the common multiples of 3 and 5 up to 60:
 15, 30, 45

Part 1

(a) Complete the following table.

Time	Time	Time	Time
10:10	10:10	10:10	10:10
10:20	10:20	10:20	10:20
10:30	10:30	10:30	10:30
10:40	10:40	10:40	10:40
10:50	10:50	10:50	10:50
11:00	11:00	11:00	11:00
11:10	11:10	11:10	11:10
11:20	11:20	11:20	11:20
11:30	11:30	11:30	11:30
11:40	11:40	11:40	11:40
11:50	11:50	11:50	11:50
12:00	12:00	12:00	12:00

(b) Complete the following table.

Time	Time	Time	Time
10:10	10:10	10:10	10:10
10:20	10:20	10:20	10:20
10:30	10:30	10:30	10:30
10:40	10:40	10:40	10:40
10:50	10:50	10:50	10:50
11:00	11:00	11:00	11:00
11:10	11:10	11:10	11:10
11:20	11:20	11:20	11:20
11:30	11:30	11:30	11:30
11:40	11:40	11:40	11:40
11:50	11:50	11:50	11:50
12:00	12:00	12:00	12:00

Part 1

(a) Draw the pictures below. Describe what is the symmetrical part of length for measuring the length.

(b) Write the name of each shape.

(c) Find the area and the perimeter of each shape.

(d) The area = 10 square units. The perimeter = 20 units.

(e) The area = 10 square units. The perimeter = 20 units.

Model 1

The area = 5×2
 a) square unit
 The perimeter = $(5+2) \times 2$
 = 14 cm

The area = 9×3
 = 27 square units
 The perimeter = 3×4
 = 12 cm

The area = 7×4
 = 28 square units
 The perimeter = $(7+4) \times 2$
 = 22 cm

The area = 7×3
 = 21 square units
 The perimeter = $(7+3) \times 2$
 = 20 cm

The area = 7×7
 = 49 square units
 The perimeter = 7×4
 = 28 cm

Model 2

Use your ruler to measure each of the side lengths of the two rectangles below. How long is the perimeter?

The perimeter = $6 + 3 + 6 + 3 = 18$ cm

The perimeter = $4 + 4 + 4 + 4 = 16$ cm

(13) What is better for measuring the volume of liquid in (a) a bottle? (b) a glass? (c) a jar?

Advise a friend: Use a measuring cup for liquid, a measuring spoon for small amounts, a measuring jug for larger amounts.

Model 3

Choose the correct answer.

Twelve thousand is two hundred and twelve.

40 hundreds = 400 tens.

800 = 8 tens.

The place value of the digit 8 in the number 800 is 800.

Complete the following.

The number of sides of the rectangle is 4.

The number of sides of the triangle is 3.

The number of sides of the square is 4.

The number of sides of the pentagon is 5.

The number of sides of the hexagon is 6.

The number of sides of the heptagon is 7.

The number of sides of the octagon is 8.

The number of sides of the nonagon is 9.

The number of sides of the decagon is 10.

The number of sides of the undecagon is 11.

The number of sides of the dodecagon is 12.

Model 4

Choose the correct answer.

The number 40 000 is four thousand.

60 hundreds = 600 tens.

800 = 8 tens.

700 = 7 tens.

The number 100 000 is ten thousand.

Complete the following.

The number of sides of the rectangle is 4.

The number of sides of the triangle is 3.

The number of sides of the square is 4.

The number of sides of the pentagon is 5.

The number of sides of the hexagon is 6.

The number of sides of the heptagon is 7.

The number of sides of the octagon is 8.

The number of sides of the nonagon is 9.

The number of sides of the decagon is 10.

The number of sides of the undecagon is 11.

The number of sides of the dodecagon is 12.

Model 5

Choose the correct answer.

The number 10 000 is ten thousand.

60 hundreds = 600 tens.

800 = 8 tens.

700 = 7 tens.

The number 100 000 is ten thousand.

Complete the following.

The number of sides of the rectangle is 4.

The number of sides of the triangle is 3.

The number of sides of the square is 4.

The number of sides of the pentagon is 5.

The number of sides of the hexagon is 6.

The number of sides of the heptagon is 7.

The number of sides of the octagon is 8.

The number of sides of the nonagon is 9.

The number of sides of the decagon is 10.

The number of sides of the undecagon is 11.

The number of sides of the dodecagon is 12.

Model 6

Choose the correct answer.

The number 10 000 is ten thousand.

60 hundreds = 600 tens.

800 = 8 tens.

700 = 7 tens.

The number 100 000 is ten thousand.

Complete the following.

The number of sides of the rectangle is 4.

The number of sides of the triangle is 3.

The number of sides of the square is 4.

The number of sides of the pentagon is 5.

The number of sides of the hexagon is 6.

The number of sides of the heptagon is 7.

The number of sides of the octagon is 8.

The number of sides of the nonagon is 9.

The number of sides of the decagon is 10.

The number of sides of the undecagon is 11.

The number of sides of the dodecagon is 12.

Model 7

Arrange the following number of stars in ascending order.

25 250, 25 000, 25 000, 25 000, 25 000

The following bar chart shows the favorite fruit types for 25 children.

The favorite fruit is Apple.

(1) Which fruit is the most popular? Apples

(2) Which fruit is the least popular? Pears

Find the area and the perimeter of the rectangle.

The area = 6×3
 = 18 square cm

The perimeter = $(6+3) \times 2$
 = 18 cm

Model 8

Choose the correct answer.

Seven hundred and seven is 707.

The number 100 000 is ten thousand.

60 hundreds = 600 tens.

800 = 8 tens.

700 = 7 tens.

The number 100 000 is ten thousand.

Complete the following.

The number of sides of the rectangle is 4.

The number of sides of the triangle is 3.

The number of sides of the square is 4.

The number of sides of the pentagon is 5.

The number of sides of the hexagon is 6.

The number of sides of the heptagon is 7.

The number of sides of the octagon is 8.

The number of sides of the nonagon is 9.

The number of sides of the decagon is 10.

The number of sides of the undecagon is 11.

The number of sides of the dodecagon is 12.

Model 9

Complete the missing factor in the triangle.

6 x 7 = 42

7 x 6 = 42

42 x 7 = 294

42 x 6 = 252

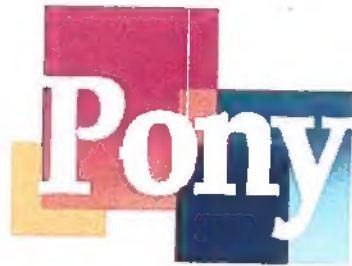
Match each quadrilateral to its name.

Rectangle, Rhombus, Square, Trapezium

On the grid below, draw and label as many rectangles as you can. Write the area of each rectangle.

24 = 4 x 6

24 = 3 x 8



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